

Sta. code	Δ (deg.)	Az (deg.)	Phase	UTC h min s	Resid (s)	T (s)	A (μ m)	Sta. code	Δ (deg.)	Az (deg.)	Phase	UTC h min s	Resid (s)	T (s)	A (μ m)
<p>1985 4 1 O=05 17 40.6 \pm 0.14s LAT=24.20 N \pm 2.07km LONG=122.02 E \pm 1.92km DEPTH= 6 km \pm 0.83km STATIONS USED = 28, STAND DEV= 2.27s Ms=4.2/ 10, M_L=4.3/ 5,</p>								<p>1985 4 1 O=11 21 18.2 \pm 0.11s LAT=39.53 N \pm 2.35km LONG= 72.81 E \pm 0.71km DEPTH= 8 km \pm 1.95km STATIONS USED = 6, STAND DEV= 4.56s Ms=4.1/ 1, M_L=4.1/ 2,</p>							
QZH	3.2	284	ePn	05 18 31.6	-0.1			KSH	2.5	91	ePg	11 22 01.0	-0.7		
			Sn	05 19 06.8	-5.4						iSg	11 22 30.0	-5.0		
			SMN			M _L =4.0	0.7	0.47							
			LE			Ms=3.6	9.0	1.70	WMQ	11.9	64	P	11 24 10.0	-1.9	
SSE	6.9	354	P	05 19 23.8	-1.2						SMN			2.0	0.030
			PMZ				0.5	0.10			LZ		Ms=4.1	28.0	2.00
			LN			Ms=4.1	12.0	1.80	<p>1985 4 1 O=13 58 35.0 \pm 0.07s LAT=36.38 N \pm 1.94km LONG=141.30 E \pm 1.05km DEPTH= 55 km \pm 1.01km STATIONS USED = 29, STAND DEV= 1.73s</p>						
			LZ			Ms=4.2	12.0	2.30	MDJ	12.1	316	eP	14 01 30.0	2.5	
NJ2	8.3	341	eP	05 19 42.5	-2.0				CN2	14.2	306	eP	14 01 58.2	3.2	
			LN			Ms=4.2	10.0	1.20	TIA	19.5	277	eP	14 02 58.4	-1.9	
			LE				9.0	0.64	BJI	20.1	288	eP	14 03 04.0	-2.6	
WHN	9.3	315	eP	05 20 02.5	4.3				XAN	26.5	275	eP	14 04 09.6	0.1	
			LG ₁	05 22 37.5	5.2				GYA	31.0	261	P	14 04 49.4	-0.8	
			SMN				1.0	0.060	CD2	31.6	271	eP	14 04 53.9	-1.2	
			SME				1.0	0.080	KMI	34.8	262	eP	14 05 21.5	-1.4	
GYA	14.1	282	eP	05 21 02.0	-1.0				WMQ	41.1	297	eP	14 06 17.5	2.2	
			LN			Ms=4.7	5.0	0.70	<p>1985 4 1 O=18 31 39.7 \pm 0.15s LAT=46.47 N \pm 1.89km LONG= 90.43 E \pm 0.82km DEPTH= 9 km \pm 0.08km STATIONS USED = 6, STAND DEV= 3.35s M_L=3.7/ 5,</p>						
			LE				5.0	0.70	WMQ	3.3	217	Pn	18 32 32.3	0.7	
XAN	15.1	314	eP	05 21 15.0	-0.9						Pg	18 32 37.0	-0.5		
			LN			Ms=4.2	7.0	0.42			Sn	18 33 09.0	-3.6		
TIY	15.8	331	eP	05 21 27.8	2.7						Sg	18 33 15.0	-7.3		
			LN			Ms=4.3	10.0	0.60			SMN		M _L =3.7	0.4	0.30
BJI	16.5	344	eP	05 21 38.5	3.5						SME			0.4	0.20
CD2	17.5	296	eP	05 21 46.4	-0.8				GTA	9.8	132	eP	18 34 02.8	-2.1	
HHC	18.8	335	eP	05 22 07.0	4.1				<p>1985 4 1</p>						
BTO	19.2	331	eP	05 22 08.9	0.8										
CN2	19.8	7	eP	05 22 16.0	1.8										
			LN			Ms=4.4	10.0	0.60							
MDJ	21.3	15	eP	05 22 28.5	-1.8										
<p>1985 4 1 O=08 16 21.6 \pm 0.23s LAT=12.59 S \pm 2.01km LONG= 76.53 W \pm 1.29km DEPTH= 64 km \pm 2.40km STATIONS USED = 16, STAND DEV= 2.71s</p>															
KSH	143.9	37	ePKP	08 35 47.0	-3.4										
WMQ	146.0	21	PKP	08 35 55.5	1.3										
BJI	150.5	340	ePKP	08 36 07.5	6.3										

O = 20 13 45.4 ± 0.07s
 LAT = 27.56 N ± 1.44km
 LONG = 142.95 E ± 1.64km
 DEPTH = 36 km ± 0.40km
 STATIONS USED = 31, STAND DEV = 1.22s

MDJ	20.1	331	eP	20 18 19.0	-0.2
SNY	21.3	317	eP	20 18 34.1	2.7
CN2	21.5	324	eP	20 18 32.4	-0.9
			sP	20 18 45.5	-1.4
TIA	23.5	298	eP	20 18 52.4	-0.9
BJI	25.4	306	eP	20 19 11.0	-0.4
XAN	29.8	291	P	20 19 50.5	-1.4
GYA	32.3	277	eP	20 20 12.8	-0.7
CD2	34.2	285	-P	20 20 29.9	-0.6
KMI	36.0	275	eP	20 20 45.0	-0.7
GTA	37.5	300	P	20 20 58.2	-0.3
WMQ	46.9	305	P	20 22 15.0	0.5
			pP	20 22 26.0	1.7

1985 4 1

O = 23 44 19.6 ± 0.07s
 LAT = 38.82 N ± 0.77km
 LONG = 101.29 E ± 0.53km
 DEPTH = 26 km ± 0.96km
 STATIONS USED = 5, STAND DEV = 3.40s

 $M_L = 3.5 / 4,$

LZH	3.4	142	Pg	23 45 21.5	1.4
			Sn	23 45 57.0	4.3
			Sg	23 46 02.0	-4.4
			SMN	$M_L = 3.7$	1.0 0.24
			SME		1.0 0.17
BTO	7.0	72	ePg	23 46 24.2	1.3
			Sg	23 47 53.7	-4.2

1985 4 2

O = 01 32 05.2 ± 0.07s
 LAT = 23.98 S ± 2.84km
 LONG = 175.54 W ± 1.80km
 DEPTH = 35 km ± 0.61km
 STATIONS USED = 31, STAND DEV = 1.63s

NJ2	83.8	309	-P	01 44 33.0	-0.4
MDJ	84.7	324	eP	01 44 37.5	0.0
SNY	86.3	319	eP	01 44 45.0	-0.7
CN2	86.4	322	eP	01 44 44.8	-1.4
TIA	87.3	312	-P	01 44 50.1	-0.3
TIY	91.3	311	eP	01 45 08.9	-0.5
XAN	92.0	306	eP	01 45 13.2	0.4
KMI	92.9	296	eP	01 45 18.0	0.8

1985 4 2

O = 03 21 40.4 ± 0.16s
 LAT = 21.21 S ± 0.46km
 LONG = 178.96 W ± 1.87km
 DEPTH = 634 km ± 1.87km
 STATIONS USED = 65, STAND DEV = 1.25s

QZH	76.1	304	eP	03 32 26.8	0.0
GZH	79.3	300	-iP	03 32 45.0	1.0
NJ2	79.6	310	+iP	03 32 46.6	0.8
MDJ	80.6	326	-iP	03 32 50.8	0.1
WHN	82.1	307	-P	03 32 59.0	0.4
SNY	82.2	321	eP	03 32 58.6	-0.2
CN2	82.3	323	-P	03 32 59.2	-0.3
TIA	83.1	313	-P	03 33 03.6	0.2
BJI	85.8	316	P	03 33 17.0	0.7
GYA	86.2	300	-P	03 33 19.4	0.7
TIY	87.1	312	iP	03 33 23.0	0.3
XAN	87.8	308	-P	03 33 26.0	-0.2
KMI	88.9	297	-P	03 33 32.5	1.3
BTO	90.1	314	eP	03 33 37.0	0.2
CD2	90.4	303	P	03 33 39.8	1.7
LZH	92.5	308	P	03 33 43.0	-4.7
GTA	96.7	310	P	03 34 07.1	0.2

1985 4 2

O = 03 58 54.5 ± 0.05s
 LAT = 37.52 N ± 0.71km
 LONG = 72.22 E ± 0.64km
 DEPTH = 194 km ± 0.29km
 STATIONS USED = 19, STAND DEV = 1.11s

KSH	3.5	56	iP	03 59 53.0	1.9
			iS	04 00 35.0	0.5
WMQ	13.3	57	P	04 01 57.0	-0.3
			S	04 04 22.0	1.1
GTA	21.7	76	P	04 03 32.0	1.5
XAN	29.9	85	eP	04 04 46.0	-0.2
GYA	31.1	101	P	04 04 57.0	0.1

1985 4 2

O = 05 07 35.3 ± 0.13s
 LAT = 23.85 S ± 0.94km
 LONG = 179.70 W ± 1.35km
 DEPTH = 531 km ± 1.34km
 STATIONS USED = 28, STAND DEV = 1.35s

CN2	84.0	323	P	05 19 10.4	-1.0
TIA	84.4	314	eP	05 19 12.8	-0.5
GYA	87.0	301	eP	05 19 25.4	-0.3
XAN	88.9	308	eP	05 19 35.0	0.1
CD2	91.3	303	eP	05 19 47.7	2.0

1985 4 2

April, 1985

O = 14 35 50.4 ± 0.12s					KSH	50.1	311	eP	14 44 37.0	-5.8		
LAT = 13.38 N ± 1.51km					1985 4 2							
LONG = 124.83 E ± 1.88km					O = 15 33 02.7 ± 0.08s							
DEPTH = 53 km ± 0.79km					LAT = 7.83 S ± 1.30km							
STATIONS USED = 71, STAND DEV = 1.70s					LONG = 107.82 E ± 1.87km							
Ms = 4.4 / 12,					DEPTH = 33 km ± 0.05km							
GZH	14.6	313	eP	14 39 20.0	5.0	STATIONS USED = 54, STAND DEV = 1.17s						
QZN	15.4	293	eP	14 39 29.4	2.9	Ms = 4.3 / 1,						
SSE	17.9	350	eP	14 39 58.0	0.1	GYA	34.1	358	P	15 39 48.0	1.1	
			pP	14 40 07.0	-1.1				S	15 45 13.0	4.1	
			ePP	14 40 13.0	0.5	CD2	38.7	354	eP	15 40 27.0	1.2	
			eS	14 43 18.0	5.2	LSA	40.6	337	eP	15 40 41.5	-0.5	
			esS	14 43 30.0	0.5	SSE	40.8	18	eP	15 40 45.5	2.7	
			LE	Ms = 4.4	18.0	1.10	NJ2	41.0	14	eP	15 40 46.6	1.6
			LZ	Ms = 4.3	18.0	0.90			LZ	Ms = 4.3	22.0	0.30
NJ2	19.4	345	eP	14 40 14.0	-0.6	XAN	41.7	1	eP	15 40 50.0	-0.1	
			S	14 43 46.0	2.1	LZH	43.8	355	eP	15 41 07.5	-0.6	
			LZ	Ms = 4.0	14.0	0.34	TIA	44.7	11	-P	15 41 14.2	-0.4
WHN	19.6	332	eP	14 40 19.0	1.6	TIY	45.5	5	P	15 41 21.6	0.2	
GYA	21.4	310	P	14 40 35.6	-0.7	GTA	47.6	352	eP	15 41 38.2	0.4	
			S	14 44 29.0	4.4				PcP	15 43 08.3	1.4	
			LE	Ms = 4.4	15.0	0.70	BTO	48.2	2	eP	15 41 42.0	-0.8
TIA	23.8	344	-P	14 40 59.1	0.1	DL2	48.2	14	eP	15 41 43.0	0.3	
KMI	23.9	303	+P	14 41 01.0	0.8	BJI	48.3	9	eP	15 41 44.0	1.1	
			eS	14 45 13.0	3.7	CN2	53.8	16	eP	15 42 21.6	-3.4	
			LN	Ms = 4.4	16.0	0.70			PcP	15 43 27.0	-2.8	
XAN	25.1	328	+P	14 41 11.8	-0.5	WMQ	54.6	342	eP	15 42 29.3	-1.2	
			eS	14 45 39.0	8.4				PcP	15 43 34.8	2.2	
			LN	Ms = 4.3	12.0	0.36			eS	15 50 01.0	-5.4	
DL2	25.6	354	eP	14 41 16.5	0.1	KSH	55.5	330	eP	15 42 36.0	-1.7	
CD2	26.1	315	+P	14 41 21.0	-0.3	1985 4 2						
			S	14 45 48.0	2.5	O = 18 03 22.2 ± 0.09s						
			LZ	Ms = 4.6	15.0	0.90	LAT = 3.63 N ± 0.84km					
TIY	26.6	338	P	14 41 26.6	0.3	LONG = 127.18 E ± 1.42km						
			S	14 46 02.5	8.2	DEPTH = 80 km ± 1.00km						
			sS	14 46 14.0	-3.0	STATIONS USED = 53, STAND DEV = 1.06s						
			LN	Ms = 4.6	14.0	0.60	QZN	22.8	313	eP	18 08 21.2	1.8
			LE		14.0	0.50	SSE	27.9	349	eP	18 09 09.5	2.4
BJI	27.6	346	eP	14 41 35.5	0.2	NJ2	29.3	345	eP	18 09 20.5	0.6	
SNY	28.4	358	eP	14 41 41.5	-0.4	GYA	30.0	321	P	18 09 25.8	-0.4	
			eS	14 46 23.0	0.0	KMI	31.8	315	eP	18 09 41.0	-0.6	
			LN	Ms = 4.5	18.0	0.50	TIA	33.7	345	eP	18 09 57.7	-0.7
			LE		18.0	0.50	XAN	34.7	333	-P	18 10 05.6	-1.2
LZH	29.4	324	eP	14 41 51.0	-0.7	CD2	35.0	323	+P	18 10 08.8	-0.4	
CN2	30.3	1	eP	14 41 58.0	-1.4	DL2	35.5	353	eP	18 10 10.4	-2.9	
MDJ	31.4	7	eP	14 42 08.5	-0.4	TIY	36.5	340	eP	18 10 22.5	0.3	
GTA	34.0	324	+P	14 42 32.0	0.0	BJI	37.6	346	P	18 10 32.5	1.4	
LSA	35.1	303	P	14 42 41.4	-0.1	SNY	38.2	356	eP	18 10 37.3	1.4	
WMQ	43.9	321	P	14 43 54.5	0.2							
			PP	14 45 40.0	2.0							

HHC	39.6	341	+P	18 10 50.0	1.8
CN2	40.0	358	eP	18 10 51.4	0.0
MDJ	40.9	3	eP	18 10 58.0	-0.3
GTA	43.4	329	P	18 11 19.4	0.1
WMQ	53.1	325	P	18 12 34.5	0.4

1985 4 2

O=19 48 01.9 ± 0.11s

LAT=24.42 N ± 1.65km

LONG=94.52 E ± 1.34km

DEPTH=89 km ± 1.34km

STATIONS USED = 14, STAND DEV = 2.58s

 $M_L = 3.5 / 1,$

LSA	6.1	331	eP	19 49 31.9	0.9
			eS	19 50 36.6	-3.4
KMI	7.5	83	-P	19 49 52.5	1.7
GYA	11.2	77	eP	19 50 45.6	5.4
XAN	15.8	49	eP	19 51 37.0	-3.5
WMQ	20.1	346	P	19 52 32.0	0.4

1985 4 2

O=19 59 58.7 ± 0.05s

LAT=37.10 N ± 0.92km

LONG=116.02 W ± 0.69km

DEPTH=5 km ± 0.12km

STATIONS USED = 47, STAND DEV = 0.83s

MDJ	79.4	319	eP	20 12 07.0	-1.1
CN2	82.1	320	+P	20 12 21.0	-1.5
SNY	84.5	320	eP	20 12 34.8	0.1
BJI	89.5	323	eP	20 13 00.5	1.2
HHC	91.0	326	-P	20 13 07.3	0.8
TIA	92.0	320	-P	20 13 11.0	0.2
TIY	93.1	324	eP	20 13 15.9	-0.2
WMQ	96.6	343	eP	20 13 32.5	0.3
XAN	97.8	324	eP	20 13 36.2	-1.1

1985 4 3

O=01 44 26.8 ± 0.08s

LAT=38.13 N ± 1.20km

LONG=48.44 E ± 1.04km

DEPTH=26 km ± 0.24km

STATIONS USED = 23, STAND DEV = 1.66s

KSH	21.5	78	eP	01 49 16.0	0.0
WMQ	30.0	66	eP	01 50 34.7	-1.1
GYA	49.9	86	P	01 53 20.2	-0.3
CN2	56.5	58	eP	01 54 06.0	-3.4

1985 4 3

O=02 55 03.2 ± 0.25s

LAT=6.07 S ± 1.88km

LONG=76.88 W ± 1.89km

DEPTH=117 km ± 2.24km

STATIONS USED = 24, STAND DEV = 2.47s

BTO	145.1	351	ePKP	03 14 27.0	-0.9
GTA	146.7	5	PKP	03 14 31.0	0.3
TIA	147.4	339	ePKP	03 14 32.2	0.5
TIY	147.4	346	PKP	03 14 34.4	2.6
SSE	149.9	328	ePKP	03 14 29.7	-6.0
			PKP ₂	03 14 40.7	
LZH	150.1	359	ePKP	03 14 42.0	5.7

1985 4 3

O=08 18 06.1 ± 0.07s

LAT=52.02 N ± 1.79km

LONG=158.70 E ± 1.09km

DEPTH=33 km ± 0.03km

STATIONS USED = 80, STAND DEV = 1.06s

 $M_s = 5.2 / 27,$ $m_B = 5.4 / 2$

MDJ	20.6	261	eP	08 22 44.0	-1.5
			pP	08 22 53.0	-1.0
			PP	08 23 07.0	0.1
			eS	08 26 30.0	0.5
			SMN	$m_B = 5.6$	12.0 2.80
			sS	08 26 42.0	-0.7
			SS	08 27 02.0	2.1
			LZ	$M_s = 5.4$	6.0 3.30
CN2	23.6	263	eP	08 23 10.5	-4.5
			pP	08 23 20.8	-3.0
			PP	08 23 41.0	-6.3
			PPMZ		6.0 0.50
			eS	08 27 19.5	-4.4
			SME	$m_B = 5.1$	8.0 0.50
			LN	$M_s = 5.0$	13.0 2.40
SNY	25.8	261	-P	08 23 36.3	-0.1
			LN	$M_s = 5.3$	22.0 6.10
DL2	28.8	258	eP	08 24 04.0	0.6
			LN	$M_s = 4.9$	14.0 1.40
BJI	31.4	265	eP	08 24 29.0	2.2
			eS	08 29 35.0	3.8
			LE	$M_s = 5.1$	19.0 2.30
			LZ	$M_s = 5.2$	20.0 3.30
TIA	33.3	258	eP	08 24 42.1	-0.7
			eS	08 29 55.0	-5.0
			PcS	08 31 10.0	1.3
			LN	$M_s = 5.2$	26.0 2.96
			LE		26.0 2.38
SSE	34.5	247	eP	08 24 52.5	-0.7
			sP	08 25 08.0	1.7
			eS	08 30 18.0	-0.6
			LZ	$M_s = 4.9$	24.0 1.80

1985 4 3
 O = 10 32 36.5 ± 0.15s
 LAT = 24.60 N ± 1.44km
 LONG = 120.82 E ± 1.37km
 DEPTH = 8 km ± 0.11km
 STATIONS USED = 26, STAND DEV = 2.47s
 Ms = 4.1 / 2, ML = 4.6 / 12,

QZH	2.1	280	-Pn	10 33 10.5	-1.2		
			Pg	10 33 14.0	1.2		
			Sn	10 33 35.0	-4.4		
			Sg	10 33 39.2	-1.8		
			LE			8.0	1.98
SSE	6.5	3	eP	10 34 13.7	-1.0		
			LG ₁	10 36 00.0	0.1		
			LG ₂	10 36 12.0	1.8		
			SMN	ML = 4.6	1.0	0.40	
			SME		1.0	0.30	
			SMZ	ML = 4.7	1.0	0.30	
NJ2	7.6	347	eP	10 34 29.0	-1.7		
			eS	10 35 58.0	0.0		
			LE	Ms = 4.1	10.0	1.40	
WHN	8.2	317	eP	10 34 39.0	-0.5		
			SME	ML = 4.6	1.0	0.14	
			SMZ	ML = 4.7	1.1	0.12	
QZN	11.6	244	eP	10 35 29.9	4.1		
GYA	12.9	281	P	10 35 40.8	-2.8		
			S	10 38 05.0	-3.1		
			SMN		1.4	0.15	
			SME		1.4	0.11	
CD2	16.4	296	P	10 36 27.8	-0.6		
GTA	23.1	315	P	10 37 45.0	1.1		

1985 4 3
 O = 13 06 20.5 ± 0.19s
 LAT = 32.62 S ± 2.35km
 LONG = 71.74 W ± 2.51km
 DEPTH = 36 km ± 1.20km
 STATIONS USED = 77, STAND DEV = 1.60s
 Ms = 6.1 / 32, m_B = 5.9 / 6

KSH	153.1	66	PKP	13 26 10.0	2.1		
			PP	13 30 01.0	-1.7		
			LZ	Ms = 6.2	26.0	3.70	
MDJ	159.5	312	ePKP	13 26 14.0	-2.2		
			PKP ₂	13 26 55.0			
			PP	13 30 38.0	0.5		
			LZ	Ms = 6.4	19.0	4.50	
WMQ	160.4	49	PKP	13 26 17.5	0.3		
			PKP ₂	13 26 59.0			
			LN	Ms = 6.5	18.0	4.90	

CN2	162.5	315	+PKP	13 26 16.5	-2.7		
			pPKP	13 26 27.0	-2.7		
			PKP ₂	13 27 14.0			
			PP	13 30 58.0	4.6		
			PPMZ	m _B = 5.8	10.0	1.00	
			SKKS	13 37 38.0			
			LN	Ms = 6.2	19.0	3.00	
SNY	164.7	311	PKP	13 26 17.0	-4.4		
			PKP ₂	13 27 07.0			
			LN	Ms = 6.2	22.0	1.90	
			LE		22.0	2.70	
LSA	165.1	97	PKP	13 26 23.3	1.1		
			PP	13 31 07.5	0.2		
			LN	Ms = 6.2	21.0	3.10	
QZN	166.4	186	PKP	13 26 29.0	6.1		
QZH	168.1	232	ePKP	13 26 25.0	1.1		
			PKP ₂	13 27 28.0			
			PP	13 31 26.0	3.3		
			SKKS	13 38 05.0			
			LN	Ms = 6.1	16.0	1.36	
			LE		16.0	1.14	
SSE	168.9	266	ePKP	13 26 22.0	-2.4		
			pPKP	13 26 32.0	-2.9		
			PP	13 31 28.0	1.6		
			eSKKS	13 38 09.0			
			eSS	13 52 18.0	3.4		
			LN	Ms = 6.3	20.0	2.10	
			LE		20.0	3.20	
			LZ	Ms = 6.4	20.0	4.70	
GZH	169.5	207	PKP	13 26 24.0	-0.7		
			PP	13 31 26.0	-3.4		
			PPMZ		18.0	1.39	
			LE	Ms = 6.0	20.0	2.10	
BJI	170.2	321	ePKP	13 26 26.0	0.8		
			PKP ₂	13 27 42.0			
			PP	13 31 36.0	2.9		
			eSKKS	13 38 14.0			
			LN	Ms = 6.1	20.0	2.50	
GTA	170.4	43	PKP	13 26 26.5	1.0		
			PKP ₂	13 27 42.9			
			PP	13 31 33.5	-0.3		
			SKKS	13 38 16.5			
			SS	13 52 35.7	6.7		
			LE	Ms = 6.1	20.0	3.00	
NJ2	171.0	269	+PKP	13 26 26.0	0.3		
			PKP ₂	13 27 45.0			
			iPP	13 31 36.0	-1.0		
			SKKS	13 38 21.0			
			LN	Ms = 6.2	19.0	3.10	
			LE		19.5	2.30	

DEPTH = 26 km ± 0.14km
STATIONS USED = 23, STAND DEV = 1.77s
M_L = 4.2 / 2,

KSH	2.6	90	iPn	04 02 22.0	2.9		
			iSn	04 02 58.0	6.3		
			LN			6.0	9.10
WMQ	12.1	64	eP	04 04 29.5	-2.2		
			S	04 06 46.0	-0.4		
GTA	21.0	82	+iP	04 06 21.6	-0.5		
CD2	26.8	99	P	04 07 18.1	0.3		
GYA	31.2	104	eP	04 07 57.6	-0.1		

1985 4 4
O = 05 35 57.8 ± 0.14s
LAT = 12.08 N ± 1.98km
LONG = 144.37 E ± 2.54km
DEPTH = 33 km ± 0.14km
STATIONS USED = 55, STAND DEV = 2.03s
M_s = 4.7 / 8,

QZH	27.5	301	eP	05 41 46.0	2.2		
			eS	05 46 19.0	-2.2		
			LE			M _s = 4.4	13.0 0.42
SSE	28.6	315	eP	05 41 52.2	-1.1		
			eS	05 46 36.0	-2.0		
			eSS	05 48 06.0	2.1		
			LZ			M _s = 4.6	20.0 1.00
WHN	33.3	308	P	05 42 38.5	3.5		
			LN			M _s = 4.8	20.0 1.26
DL2	33.5	327	eP	05 42 42.5	5.8		
TIA	34.4	319	eP	05 42 40.2	-3.9		
			eS	05 48 12.0	3.2		
			LN			M _s = 4.6	20.0 0.48
			LE				20.0 0.47
			LZ			M _s = 4.7	20.0 0.85
BJI	37.3	323	eP	05 43 06.0	-3.3		
GYA	38.2	298	P	05 43 16.8	0.1		
			eS	05 49 15.0	6.9		
TIY	38.3	317	eP	05 43 16.0	-1.4		
			S	05 49 12.5	4.3		
			LN			M _s = 4.8	13.0 0.50
			LE				14.0 0.40
KMI	41.4	294	eP	05 43 47.5	4.4		
			eS	05 49 54.0	-1.8		
BTO	41.4	320	eP	05 43 42.0	-1.6		
CD2	41.9	303	+P	05 43 46.0	-1.2		
LZH	43.6	310	eP	05 44 04.5	3.2		
			PMZ				1.8 0.49
			LE			M _s = 5.5	9.0 1.88
GTA	47.8	313	P	05 44 33.2	-1.7		
			S	05 51 29.0	1.4		

LSA	52.3	298	eP	05 45 12.2	3.1		
WMQ	57.8	314	P	05 45 48.0	-1.2		
			eS	05 53 45.0	-0.1		

1985 4 4
O = 08 40 47.0 ± 0.09s
LAT = 11.39 N ± 1.53km
LONG = 95.01 E ± 1.60km
DEPTH = 34 km ± 0.24km
STATIONS USED = 90, STAND DEV = 1.48s
M_s = 5.3 / 40, m_B = 5.5 / 4

KMI	15.5	27	eP	08 44 26.5	1.4		
			sP	08 44 39.5	2.5		
			S	08 47 22.0	6.7		
			LE			M _s = 5.2	9.0 5.30
QZN	16.2	60	eP	08 44 38.0	4.2		
			pP	08 44 45.0	3.8		
			eS	08 47 34.0	1.9		
			SS	08 47 49.0	-1.9		
			LN			M _s = 5.3	9.0 5.20
			LE				9.5 3.40
LSA	18.6	349	P	08 45 02.8	-1.2		
			PMZ			m _B = 5.5	4.5 1.20
			sP	08 45 14.5	-1.3		
			iPP	08 45 20.9	2.0		
			S	08 48 30.0	4.4		
			LN			M _s = 4.4	13.0 0.80
GYA	18.6	35	+P	08 45 04.0	0.2		
			pP	08 45 11.0	-0.2		
			S	08 48 34.0	8.1		
			LN			M _s = 5.3	11.0 5.10
			LE				11.0 2.40
			LZ			M _s = 5.4	11.0 6.40
GZH	21.0	54	eP	08 45 33.0	2.9		
			LN			M _s = 5.3	11.0 2.13
			LE				11.0 3.56
CD2	21.0	21	+iP	08 45 29.9	-0.8		
			PMZ				1.2 0.30
			sP	08 45 41.0	-2.7		
			eS	08 49 19.0	0.6		
			sS	08 49 30.0	-2.3		
			LE			M _s = 5.1	11.0 3.10
			LZ			M _s = 5.4	12.5 5.70
LZH	25.8	17	+P	08 46 17.5	-0.2		
XAN	25.9	27	P	08 46 16.0	-1.9		
			pP	08 46 24.0	-2.8		
			S	08 50 46.0	3.5		
			SS	08 51 56.0	7.1		
			LN			M _s = 5.4	12.0 2.84
			LE				11.0 3.47

STATIONS USED = 80, STAND DEV = 1.27s
 $m_B = 5.1 / 3$

SSE	9.1	259	-P	07 27 46.5	1.8		
			PMZ			1.0	0.10
			sP	07 28 18.0	-2.1		
			S	07 29 29.0	3.2		
DL2	9.8	307	eP	07 27 53.0	-0.8		
			eS	07 29 43.0	0.6		
			LN			6.0	1.40
SNY	10.6	325	eP	07 28 05.3	1.0		
NJ2	10.9	267	eP	07 28 07.0	-0.4		
			S	07 30 03.0	-3.5		
			LE			8.0	0.68
MDJ	11.4	353	eP	07 28 16.0	1.7		
CN2	11.5	337	eP	07 28 19.0	2.9		
TIA	12.3	288	P	07 28 26.8	0.7		
			eS	07 30 41.5	1.0		
			LN			9.0	0.57
			LE			9.0	0.49
BJI	14.1	303	eP	07 28 50.0	0.6		
			eS	07 31 30.0	7.4		
			LE			10.0	0.30
QZH	14.1	237	eP	07 28 49.0	-0.9		
			eS	07 31 25.0	1.5		
			SMN	$m_B = 4.5$		10.0	0.26
WHN	14.9	264	eP	07 29 00.0	-0.2		
			PMZ			2.0	0.56
			sP	07 29 35.0	-4.0		
			eS	07 31 48.0	5.8		
			LN			10.0	1.00
TIY	16.2	291	P	07 29 17.2	0.8		
			LN			13.0	0.20
			LE			11.0	0.40
HHC	17.7	301	+P	07 29 34.2	0.5		
BTO	18.7	299	+iP	07 29 45.0	-0.2		
XAN	18.9	278	+P	07 29 46.2	-1.2		
			PMZ			1.0	0.15
			eS	07 33 18.0	7.9		
			LN			9.0	0.42
			LE			8.0	0.41
GZH	19.1	242	P	07 29 49.5	0.7		
			sP	07 30 28.0	-3.5		
GYA	22.7	259	P	07 30 25.0	-0.2		
			S	07 34 26.0	7.7		
LZH	23.0	285	+P	07 30 27.5	-0.7		
			PMZ			1.2	0.36
CD2	23.7	272	P	07 30 35.5	0.4		
			PMZ			1.0	0.10
			eS	07 34 43.0	6.2		
			SS	07 35 43.0	5.7		

LZ 12.0 11.0

QZN	24.1	239	P	07 30 43.7	4.7		
GTA	26.2	293	P	07 30 58.2	-0.8		
KMI	26.5	260	eP	07 31 00.0	-1.0		
			pP	07 31 27.0	-3.4		
			eS	07 35 24.0	1.3		
LSA	34.6	275	-P	07 32 13.0	0.5		
WMQ	35.5	300	+P	07 32 19.5	-1.0		
			PMZ			2.0	0.20
			pP	07 32 49.5	-2.0		
			PP	07 33 47.2	4.0		
			S	07 37 48.5	4.4		
KSH	44.6	294	P	07 33 36.0	0.7		

1985 4 5
O = 11 12 15.8 ± 0.06s
LAT = 20.77 N ± 0.98km
LONG = 121.07 E ± 1.00km
DEPTH = 34 km ± 0.27km

STATIONS USED = 16, STAND DEV = 1.33s

QZH	4.7	332	ePn	11 13 26.0	0.7
			Sn	11 14 17.0	-3.7
GZH	7.5	289	+Pn	11 14 05.0	1.3
QZN	10.7	263	eP	11 14 49.2	-0.8
GYA	14.4	296	P	11 15 39.2	0.1
CD2	18.5	306	P	11 16 33.6	1.5
BJI	19.7	349	eP	11 16 46.5	1.7
HHC	21.6	340	eP	11 17 04.5	-0.5

1985 4 5
O = 13 00 23.7 ± 0.06s
LAT = 1.81 N ± 0.99km
LONG = 127.58 E ± 1.42km
DEPTH = 144 km ± 0.14km

STATIONS USED = 90, STAND DEV = 1.11s
 $m_B = 5.4 / 10$

QZN	24.4	316	P	13 05 30.4	0.2	
			pP	13 06 01.0	1.8	
			sP	13 06 18.0	1.6	
			eS	13 09 33.0	-3.7	
			sS	13 10 24.0	-3.0	
QZH	24.6	340	eP	13 05 33.0	1.0	
			sP	13 06 19.0	0.7	
			S	13 09 40.0	0.8	
			sS	13 10 30.0	-1.2	
GZH	25.3	328	P	13 05 39.0	0.6	
			pP	13 06 10.0	2.3	
			S	13 09 55.0	4.4	
			SMN	$m_B = 5.5$	5.0	0.72
			SME		5.0	0.74

LONG = 73.71 E ± 6.12km
 DEPTH = 18 km ± 1.29km
 STATIONS USED = 13, STAND DEV = 2.63s

GYA	63.1	33	P	18 46 53.4	4.5
CD2	65.6	28	eP	18 47 03.5	-1.6
XAN	70.5	31	eP	18 47 34.5	-1.3
			pP	18 47 39.7	-2.8
TIY	75.1	31	eP	18 48 03.2	0.0
TIA	76.1	35	eP	18 48 09.2	0.1
CN2	86.1	35	eP	18 49 05.8	4.4

1985 4 6
 O = 03 05 59.5 ± 0.10s
 LAT = 4.14 S ± 1.24km
 LONG = 136.19 E ± 2.56km
 DEPTH = 33 km ± 0.67km
 STATIONS USED = 32, STAND DEV = 1.54s

WHN	40.3	330	eP	03 13 36.5	0.7
GYA	41.7	318	P	03 13 48.0	0.3
KMI	43.6	314	P	03 14 04.5	1.4
XAN	45.9	328	eP	03 14 20.4	-0.7
CD2	46.6	321	eP	03 14 27.4	0.5
LZH	50.2	326	eP	03 14 53.5	-1.2
			PMZ		1.5 0.050
LSA	54.7	311	eP	03 15 25.3	-3.5
GTA	54.8	326	P	03 15 29.0	0.0
WMQ	64.6	323	P	03 16 36.5	-0.1
			PMZ		1.2 0.030

1985 4 6
 O = 03 20 13.4 ± 0.06s
 LAT = 18.61 N ± 0.87km
 LONG = 120.30 E ± 0.83km
 DEPTH = 30 km ± 0.06km
 STATIONS USED = 9, STAND DEV = 1.47s

$M_L = 3.5 / 2,$

QZH	6.5	346	ePn	03 21 48.2	0.7
			Sn	03 22 56.7	-5.9
			SMN	$M_L = 3.6$	0.3 0.020
			SME		0.3 0.050
GZH	7.9	306	eP	03 22 08.0	-0.9
QZN	9.9	274	P	03 22 36.4	-0.7
			eS	03 24 26.0	-2.5
XAN	18.4	329	eP	03 24 30.0	1.5
BJI	21.7	351	eP	03 25 05.0	1.4

1985 4 6
 O = 04 38 39.0 ± 0.06s
 LAT = 12.62 N ± 0.77km
 LONG = 125.73 E ± 1.55km

DEPTH = 32 km ± 0.61km
 STATIONS USED = 22, STAND DEV = 1.25s

GYA	22.6	310	P	04 43 39.2	0.8
TIA	24.7	343	eP	04 44 00.4	1.2
KMI	25.0	303	eP	04 44 02.0	-0.1
XAN	26.2	327	eP	04 44 11.8	-1.7
CD2	27.3	315	eP	04 44 21.8	-0.9
GTA	35.2	324	eP	04 45 32.1	-0.4
LSA	36.3	303	eP	04 45 42.0	-0.1

1985 4 6
 O = 05 32 13.4 ± 0.11s
 LAT = 51.49 N ± 1.56km
 LONG = 100.80 E ± 1.63km
 DEPTH = 33 km ± 0.25km
 STATIONS USED = 42, STAND DEV = 2.32s

$M_s = 4.9 / 13,$

WMQ	11.7	234	P	05 35 02.5	1.3
			LN		3.0 3.02
			LE		3.0 3.13
GTA	12.1	184	eP	05 35 04.0	-2.8
			LE	$M_s = 4.9$	8.0 3.35
LZH	15.6	171	eP	05 35 55.0	2.7
			LN		2.5 1.13
			LE		2.5 1.49
BJI	15.7	131	eP	05 35 52.0	-1.3
			LN	$M_s = 4.8$	12.0 1.51
			LE		12.0 1.71
CN2	18.2	105	eP	05 36 25.4	-0.5
			eS	05 39 41.0	-4.5
			LN	$M_s = 5.0$	10.0 1.80
			LE		8.0 1.80
SNY	18.3	113	-P	05 36 26.2	-0.6
			LN	$M_s = 4.7$	9.0 0.94
			LE		11.0 0.98
XAN	18.4	158	eP	05 36 23.0	-5.1
			LE	$M_s = 4.9$	14.0 2.90
TIA	19.2	136	P	05 36 38.5	0.8
			LG ₁	05 42 20.0	3.0
			LN	$M_s = 4.9$	12.0 1.33
			LE		12.0 1.51
CD2	20.7	173	eP	05 36 53.0	-0.4
			eS	05 40 34.0	-4.0
			LE	$M_s = 5.1$	11.0 2.90
WHN	23.2	149	eP	05 37 19.0	0.3
			eS	05 41 26.0	1.3
			LN	$M_s = 5.0$	10.0 0.81
			LE		12.0 1.98
NJ2	23.5	139	eP	05 37 22.0	0.4
			LE	$M_s = 4.3$	14.0 0.47

April, 1985

GYA 25.4 168 P 05 37 40.6 0.7
LE Ms=4.9 12.0 1.50

LAT=17.79 S ± 1.40km
LONG=178.55 W ± 1.50km
DEPTH=583 km ± 0.49km
STATIONS USED = 74, STAND DEV = 0.94s

1985 4 6

O=14 35 54.9 ± 0.09s
LAT= 4.72 S ± 0.98km
LONG=143.99 E ± 0.80km
DEPTH=106 km ± 0.61km
STATIONS USED = 39, STAND DEV = 1.20s

GZH	40.7	314	-P	14 43 29.0	1.8
SSE	41.7	330	eP	14 43 35.4	0.0
NJ2	43.7	329	-P	14 43 52.0	0.7
GYA	47.6	313	eP	14 44 24.0	1.5
KMI	49.9	309	eP	14 44 41.0	1.0
SNY	49.9	340	eP	14 44 39.4	-0.8
XAN	50.8	322	P	14 44 46.2	-0.9
			pP	14 45 12.0	0.1
BJI	51.4	333	eP	14 44 51.5	0.4
CD2	52.2	315	P	14 44 58.4	0.5
BTO	54.8	329	eP	14 45 16.7	0.0
GTA	59.9	321	P	14 45 52.6	0.2
WMQ	69.9	320	eP	14 46 57.5	0.4

QZH	74.5	303	iP	19 58 23.5	-0.1
SSE	75.6	310	-P	19 58 29.0	-0.5
			PMZ		0.8 0.020
NJ2	77.8	310	-iP	19 58 42.0	0.6
GZH	78.0	299	-iP	19 58 43.3	0.9
MDJ	78.0	325	eP	19 58 42.8	0.0
QZN	79.3	294	eP	19 58 50.0	0.5
DL2	79.4	317	eP	19 58 50.0	-0.1
SNY	79.8	320	eP	19 58 51.6	-0.6
CN2	79.8	322	-P	19 58 52.0	-0.4
WHN	80.4	306	P	19 58 55.7	0.3
BJI	83.6	315	eP	19 59 12.0	0.6
GYA	84.9	300	P	19 59 18.0	0.3
TIY	85.1	312	+iP	19 59 19.2	0.4
			PMZ		0.8 0.030
XAN	86.1	307	-iP	19 59 24.0	0.5
			PMZ		1.0 0.11
			eS	20 09 07.0	-3.0
HHC	87.1	314	-P	19 59 29.2	0.8
KMI	87.7	297	-P	19 59 32.0	0.9
			PMZ		1.4 0.10
BTO	88.0	314	eP	19 59 32.4	-0.4
CD2	88.9	303	+iP	19 59 37.7	0.9
LZH	90.7	308	-P	19 59 45.5	0.2
			PMZ		1.0 0.070
GTA	94.9	310	P	20 00 00.0	-4.1

1985 4 6

O=16 57 13.0 ± 0.07s
LAT= 4.08 S ± 1.04km
LONG=136.35 E ± 1.09km
DEPTH= 33 km ± 0.15km
STATIONS USED = 56, STAND DEV = 1.16s

QZN	34.8	312	eP	17 04 02.0	-0.7
WHN	40.3	330	P	17 04 51.0	1.5
			PMZ		1.0 0.020
GYA	41.8	318	P	17 05 02.4	0.7
KMI	43.7	313	+P	17 05 18.5	1.3
XAN	45.9	328	P	17 05 34.5	-0.4
CD2	46.7	320	-iP	17 05 41.6	0.8
TIY	47.1	334	eP	17 05 44.4	-0.2
BJI	47.7	339	eP	17 05 49.0	0.5
CN2	48.7	349	eP	17 05 54.0	-2.4
MDJ	48.8	354	eP	17 05 57.0	-0.8
HHC	50.1	336	eP	17 06 07.8	0.0
LZH	50.2	325	+P	17 06 09.0	0.5
			PMZ		1.5 0.070
LSA	54.8	311	eP	17 06 43.4	0.5
GTA	54.8	326	+iP	17 06 43.2	0.4
WMQ	64.6	323	P	17 07 49.5	-0.9
KSH	70.3	314	eP	17 08 27.0	1.1

1985 4 6

O=22 20 12.6 ± 0.13s
LAT= 0.82 N ± 1.10km
LONG=126.21 E ± 1.48km
DEPTH= 45 km ± 1.32km
STATIONS USED = 36, STAND DEV = 1.55s

GZH	25.4	331	eP	22 25 37.5	-0.5
GYA	31.7	325	P	22 26 34.0	-0.6
			PcP	22 29 26.8	2.0
KMI	33.1	319	-P	22 26 47.5	0.1
			sP	22 27 02.5	-0.7
XAN	36.8	336	eP	22 27 16.6	-1.9
			PcP	22 29 40.4	1.0
DL2	38.1	354	eP	22 27 29.0	-0.6
BJI	40.1	348	eP	22 27 49.5	3.7
SNY	40.9	357	eP	22 27 53.2	0.7
CN2	42.8	359	P	22 28 08.4	0.3
MDJ	43.7	3	+P	22 28 16.2	0.6
GTA	45.3	331	eP	22 28 28.5	-0.3

1985 4 6

O=19 47 41.8 ± 0.07s

April,

1985

	PcP	22 30 09.5	2.3
	ScS	22 38 22.5	4.8
WMQ 54.8 327 P		22 29 40.5	-0.6

1985 4 6

O=22 36 39.5 ± 0.01s
 LAT=47.35 N ± 0.14km
 LONG= 83.14 E ± 0.15km
 DEPTH= 7 km ± 0.20km
 STATIONS USED = 5, STAND DEV = 3.07s

$M_L = 3.5 / 4,$

WMQ 4.8 136	Pn	22 37 53.2	1.1
	Pg	22 38 10.6	7.0
	Sn	22 38 45.0	-4.6
	Sg	22 39 08.6	-0.2
	SMN	$M_L = 3.4$	0.6 0.050
	SME		0.6 0.050

1985 4 7

O=00 19 32.6 ± 0.14s
 LAT=56.28 S ± 7.70km
 LONG=122.29 W ± 4.72km
 DEPTH= 9 km ± 0.76km
 STATIONS USED = 67, STAND DEV = 2.70s

$M_s = 6.3 / 31,$

$m_B = 6.2 / 4$

QZH 126.5 260	ePKP	00 38 38.0	0.6
	PP	00 40 29.0	-7.1
	SKKS	00 47 25.0	
	LE	$M_s = 5.7$	18.0 0.95
SSE 129.8 268	ePKP	00 38 44.0	0.2
	PP	00 40 56.0	-1.9
	SKKS	00 47 52.0	
	SS	00 58 20.0	1.0
	LN	$M_s = 6.5$	32.0 8.03
	LE		32.0 4.27
NJ2 131.8 266	ePKP	00 38 53.0	5.3
	PP	00 41 05.0	-6.1
	PKS	00 42 18.0	
	LN	$M_s = 6.0$	15.0 1.60
	LZ	$M_s = 6.1$	21.0 2.70
GYA 134.1 250	PKP	00 38 57.0	4.9
	PP	00 41 24.0	-1.9
	LN	$M_s = 6.3$	20.0 2.60
	LE		20.0 2.80
MDJ 134.8 287	ePKP	00 38 54.0	0.7
	LZ	$M_s = 6.2$	18.0 2.96
KMI 135.1 245	ePKP	00 38 59.5	5.5
	PP	00 41 32.5	1.0
	SKKS	00 48 20.0	
	SS	00 59 18.0	-4.7

	LZ	$M_s = 6.6$	52.0 20.9
DL2 135.3 275	ePKP	00 38 57.0	2.9
	PP	00 41 26.0	-6.8
	PKS	00 42 30.0	
	eSKKS	00 48 12.0	
	LN	$M_s = 5.9$	16.0 1.29
TIA 135.9 269	ePKP	00 38 54.3	-0.9
	esPKP	00 39 06.0	
	PP	00 41 32.0	-4.3
	PPMZ	$m_B = 6.2$	7.0 0.85
	PKS	00 42 25.0	
	eSKS	00 46 04.0	1.8
	eSKKS	00 48 21.0	
	SS	00 59 27.5	-4.9
	LN	$M_s = 6.0$	20.0 2.03
SNY 136.2 280	ePKP	00 38 58.0	2.2
	LN	$M_s = 6.3$	20.0 2.78
	LE		19.0 2.02
CN2 136.5 283	ePKP	00 38 55.0	-1.4
	PP	00 41 36.0	-4.1
	PPMZ	$m_B = 6.2$	5.5 0.70
	eSKKS	00 48 28.0	
	SS	00 59 33.0	-7.1
	LZ	$M_s = 6.4$	20.0 4.20
XAN 138.8 259	ePKP	00 38 57.6	-3.1
	ePP	00 41 50.0	-5.0
	PPMZ	$m_B = 6.1$	7.0 0.68
	PKS	00 42 35.0	
	eSKKS	00 48 38.0	
	LN	$M_s = 6.1$	17.0 1.71
	LE		17.0 1.14
BJI 139.1 272	PKP	00 39 02.0	0.9
	ePP	00 42 02.5	5.8
	ePKS	00 42 40.0	
	SKKS	00 48 48.5	
	LN	$M_s = 6.2$	19.0 2.64
	LZ	$M_s = 6.2$	18.0 2.43
CD2 139.2 251	ePKP	00 38 56.0	-5.4
	ePP	00 41 52.0	-5.3
	LE	$M_s = 6.3$	19.0 3.80
TIY 139.6 266	ePKP	00 39 01.0	-1.1
	PKP ₂	00 40 10.5	
	PKS	00 42 36.0	
	SKS	00 46 13.0	4.6
	SKKS	00 48 53.5	
	LN	$M_s = 6.4$	19.0 3.53
	LE		18.0 2.50
HHC 142.2 269	ePKP	00 39 04.0	-2.8
	SKS	00 46 13.0	0.3
	LN	$M_s = 6.2$	19.0 2.01

			LE		18.0	1.52			eS	09 41 48.0	-8.0			
BTO	142.9	268	PKP	00 39 07.3	-0.7				GYA	29.9	319	P	09 37 20.8	-0.2
			PP	00 42 22.0	2.4							S	09 42 12.0	1.5
			LN	Ms=6.3	18.0	2.00			KMI	31.8	313	-P	09 37 38.0	0.4
			LE		18.0	2.10						PMZ		1.5 0.20
			LZ	Ms=6.4	18.0	4.10						pP	09 37 53.0	-2.3
LZH	143.1	257	ePKP	00 39 05.0	-3.4							eS	09 42 44.0	2.7
			LE	Ms=6.3	20.0	3.28						LZ	Ms=5.0	28.0 2.80
LSA	144.5	236	ePKP	00 39 11.4	0.3				TIA	33.1	344	eP	09 37 47.7	-1.3
			LN	Ms=6.3	19.0	3.39						eS	09 42 56.0	-5.7
GTA	147.7	257	ePKP	00 39 17.0	0.8							LN	Ms=4.5	23.0 0.44
			PKP ₂	00 39 20.0								LE		23.0 0.43
			SKS	00 46 16.5	-4.2				XAN	34.3	331	-iP	09 37 58.7	-0.8
			SS	01 01 52.2	2.4							PMZ		1.0 0.29
			LN	Ms=6.3	21.0	3.37						S	09 43 18.0	-1.7
WMQ	157.3	249	ePKP	00 39 33.0	3.0							SMN	m _B =5.3	5.0 0.21
			PKP ₂	00 40 02.5								SME		6.0 0.42
			PP	00 43 40.0	-1.7				DL2	34.7	351	eP	09 38 08.0	5.1
			PPMZ			1.5 0.11						eS	09 43 28.0	1.3
			SKKS	00 50 33.6								LE	Ms=4.7	16.0 0.65
			SS	01 03 24.0	-9.9				CD2	34.8	322	-iP	09 38 03.5	-0.1
			LN	Ms=6.3	56.6	9.27						PMZ		0.8 0.10
			LE		45.0	4.63						eS	09 43 27.0	-1.0
												LZ	Ms=4.9	25.0 1.90
									TIY	36.0	339	eP	09 38 13.4	-0.3
												PMZ		0.8 0.030
												S	09 43 46.5	1.2
												ScS	09 48 23.5	3.0
												LN	Ms=4.6	13.0 0.25
												LE		13.0 0.31
									BJI	37.0	345	P	09 38 23.0	1.3
												eS	09 44 00.0	-0.9
												SMN	m _B =5.1	7.0 0.28
												eScS	09 48 30.0	4.1
									SNY	37.4	355	eP	09 38 25.7	0.5
												eS	09 44 05.0	-2.2
												LE	Ms=4.8	22.0 1.11
									LZH	38.5	328	-iP	09 38 35.5	0.6
												PMZ		1.0 0.39
												eS	09 44 25.5	0.6
									HHC	39.1	340	P	09 38 40.6	1.0
												iS	09 44 35.0	1.5
												SMN	m _B =5.3	5.0 0.23
												SME		5.0 0.17
									CN2	39.2	357	eP	09 38 42.0	1.6
												pP	09 39 01.0	2.1
												PcP	09 40 48.0	-0.3
												ScP	09 44 30.6	2.3
												S	09 44 34.0	0.0
												LN	Ms=4.9	18.0 1.00

1985 4 7

O=09 31 18.0 ± 0.07s

LAT= 4.50 N ± 0.96km

LONG=128.01 E ± 1.34km

DEPTH= 78 km ± 0.45km

STATIONS USED = 95, STAND DEV= 1.15s

Ms=4.6 / 12, m_B=5.3 / 4

QZH 22.2 337 eP 09 36 10.0 0.4

S 09 40 04.0 0.1

sS 09 40 33.0 -0.4

QZN 22.9 311 eP 09 36 14.8 -0.9

sP 09 36 46.0 3.3

eS 09 40 09.0 -6.7

GZH 23.3 324 -P 09 36 19.5 -0.2

S 09 40 26.0 3.8

SMN m_B=5.5 10.0 1.04

SME 10.0 0.50

LZ Ms=4.6 26.0 1.59

SSE 27.2 347 eP 09 36 57.2 0.4

eS 09 37 24.0 -0.2

eS 09 41 26.0 -2.6

sS 09 41 55.0 -4.3

NJ2 28.7 344 eP 09 37 10.0 -0.3

eS 09 41 50.0 -2.7

LZ Ms=4.3 18.0 0.40

WHN 28.9 335 P 09 37 12.5 0.3

BTO	39.4	338	eP	09 38 41.9	-0.4			
MDJ	40.0	2	eP	09 38 44.0	-2.8			
			eS	09 44 40.0	-6.6			
			LZ			Ms=4.5	30.0	0.73
LSA	42.9	310	P	09 39 12.1	0.7			
			S	09 45 31.5	2.6			
GTA	43.1	328	-iP	09 39 13.8	1.0			
			ScP	09 44 46.7	2.9			
			eS	09 45 28.0	-5.2			
			ScS	09 49 05.4	3.3			
			LE			Ms=4.6	10.0	0.26
WMQ	52.8	324	-P	09 40 28.0	-0.4			
			PMZ				1.5	0.19
			pP	09 40 49.0	1.7			
			sP	09 40 58.0	1.4			
KSH	58.4	314	P	09 41 09.0	0.7			
			eS	09 49 09.0	5.2			

1985 4 7

O=11 11 50.5 ± 0.09s
 LAT=10.53 N ± 1.14km
 LONG= 92.30 E ± 1.36km
 DEPTH= 33 km ± 0.07km
 STATIONS USED = 61, STAND DEV = 1.25s
 Ms=4.4 / 1,

KMI	17.6	33	-P	11 15 56.5	1.5			
QZN	18.9	61	eP	11 16 11.4	-0.2			
LSA	19.1	357	P	11 16 13.8	-0.2			
			eS	11 19 41.0	-1.9			
GYA	20.9	39	P	11 16 32.2	-0.3			
			pP	11 16 41.5	0.6			
			S	11 20 27.5	9.7			
CD2	22.9	26	P	11 16 53.2	0.4			
			PMZ				1.2	0.10
			S	11 21 01.0	5.4			
XAN	27.9	30	+P	11 17 37.9	-2.3			
GTA	29.5	12	+P	11 17 55.3	0.6			
NJ2	32.6	45	-P	11 18 21.0	-0.2			
WMQ	33.4	354	+P	11 18 29.5	0.8			
SSE	33.7	48	eP	11 18 30.6	-0.5			
BTO	33.8	25	eP	11 18 31.0	-1.1			
TIA	34.0	37	P	11 18 33.8	-0.3			
HHC	34.7	26	-iP	11 18 39.8	0.3			
BJI	36.2	32	eP	11 18 54.0	1.3			
SNY	41.5	36	+iP	11 19 35.4	-1.4			
CN2	43.8	35	+iP	11 19 55.2	-0.5			
			pP	11 20 09.2	4.2			
			eS	11 26 23.0	-1.3			
			LE			Ms=4.4	18.0	0.30

1985 4 7

O=12 42 35.3 ± 0.09s
 LAT=14.88 N ± 1.48km
 LONG=123.60 E ± 1.77km
 DEPTH= 26 km ± 0.28km
 STATIONS USED = 79, STAND DEV = 1.62s
 Ms=4.6 / 24, m_B=5.2 / 2

QZH	11.1	336	eP	12 45 13.5	-1.6		
			eS	12 47 15.0	-4.0		
			LN			Ms=3.9	13.0 0.59
GZH	12.7	312	eP	12 45 33.8	-3.1		
			LN			Ms=4.1	10.0 0.60
QZN	13.8	289	eP	12 45 52.0	0.3		
			eS	12 48 21.0	-4.1		
			LN			Ms=4.2	14.0 1.00
SSE	16.3	353	eP	12 46 26.0	1.9		
			eS	12 49 26.0	2.2		
			LN			Ms=4.4	20.0 1.44
			LZ			Ms=4.5	20.0 1.98
NJ2	17.6	347	eP	12 46 41.5	0.5		
			eS	12 49 57.0	2.4		
			LE			Ms=4.2	11.0 0.50
WHN	17.8	333	P	12 46 43.2	0.6		
			S	12 49 56.0	-0.8		
			LE			Ms=4.6	14.0 1.37
GYA	19.6	309	+P	12 47 04.0	-0.4		
			pP	12 47 13.4	2.1		
			S	12 50 36.0	-1.8		
			LN			Ms=4.8	13.0 1.30
			LE				13.0 1.10
TIA	22.0	346	eP	12 47 28.6	-1.1		
			eS	12 51 23.0	-3.4		
			SMN			m _B =5.2	6.5 0.62
KMI	22.1	301	+P	12 47 31.5	1.1		
			eS	12 51 27.0	-0.7		
			sS	12 51 39.0	-0.6		
			LZ			Ms=4.9	16.0 2.60
			XAN	23.2	328	+iP	12 47 41.6
			PMZ				1.4 0.060
			sP	12 47 56.6	3.5		
			S	12 51 52.0	4.3		
			SME			m _B =5.2	10.0 0.87
			LN			Ms=4.6	12.0 0.59
			LE				12.0 0.52
DL2	24.0	356	eP	12 47 50.5	1.4		
			eS	12 52 00.0	-1.6		
			LE			Ms=4.6	14.0 0.92
CD2	24.2	315	eP	12 47 51.6	0.5		
			PMZ				0.8 0.10
			eS	12 52 05.0	-0.3		

			LE	Ms=5.2	13.0	3.10	CN2	74.4	46	+P	13 45 21.6	-0.7		
TIY	24.8	339	eP	12 47 57.0	0.0					pP	13 45 30.2	-1.5		
			pP	12 48 05.5	0.8		SNY	74.5	49	-iP	13 45 22.5	-0.4		
			S	12 52 13.0	-1.7		NJ2	77.3	59	+P	13 45 39.6	0.6		
			sS	12 52 30.5	2.4		QZN	78.4	75	eP	13 45 46.4	1.1		
			LE	Ms=4.7	17.0	1.36								
BJI	25.9	347	eP	12 48 08.0	0.8									
			eS	12 52 30.0	-3.5									
			LE	Ms=4.2	14.0	0.31								
SNY	26.8	360	eP	12 48 16.1	0.0									
			eS	12 52 50.0	0.7									
			LN	Ms=4.6	21.0	1.10								
LZH	27.5	324	eP	12 48 21.5	-1.0									
HHC	27.9	340	eP	12 48 26.4	0.5									
BTO	28.2	338	eP	12 48 28.0	-0.7									
			eS	12 53 07.0	-4.7									
			LN	Ms=4.5	13.0	0.40								
			LE		13.0	0.30								
CN2	28.9	3	eP	12 48 28.2	-6.1									
			pP	12 48 39.8	-2.4									
			LE	Ms=4.7	14.0	0.80								
MDJ	30.1	9	eP	12 48 44.8	-0.3									
			eS	12 53 39.0	-1.9									
			LE	Ms=4.7	14.0	0.77								
GTA	32.1	324	P	12 49 03.0	-0.5									
			eS	12 54 15.0	1.3									
			LE	Ms=4.2	15.5	0.26								
LSA	33.3	302	+P	12 49 13.9	-0.1									
			eS	12 54 32.0	-0.6									
WMQ	42.0	321	+P	12 50 27.5	0.7									
			PMZ			1.5	0.070							
			S	12 56 46.5	3.4									
KSH	48.2	310	eP	12 51 19.0	2.4									
<p>1985 4 7 O=13 33 45.3 ± 0.05s LAT=37.89 N ± 1.10km LONG= 20.04 E ± 0.92km DEPTH= 32 km ± 0.26km STATIONS USED = 37, STAND DEV= 1.10s</p>														
WMQ	50.2	61	P	13 42 40.2	-0.7									
			eS	13 49 48.0	-2.1									
			sS	13 50 09.5	4.1									
GTA	60.3	61	+P	13 43 53.2	-0.7									
CD2	67.2	68	eP	13 44 39.3	0.1									
HHC	67.5	55	eP	13 44 41.8	0.7									
XAN	69.3	63	P	13 44 51.4	-0.7									
BJI	70.9	54	eP	13 45 03.0	1.1									
GYA	71.8	70	P	13 45 06.8	-0.4									
			pP	13 45 16.2	-0.2									
<p>1985 4 7 O=14 20 14.7 ± 0.05s LAT=44.94 N ± 0.72km LONG= 92.97 E ± 0.74km DEPTH= 11 km ± 0.50km STATIONS USED = 9, STAND DEV= 2.14s M_L=3.7 / 7,</p>														
WMQ	3.9	255	-Pn	14 21 17.9	2.2									
			Sg	14 22 12.6	-5.7									
			SMN			M _L =3.9	1.0	0.34						
			SME				0.8	0.16						
GTA	7.5	135	Pn	14 22 06.9	2.2									
			SMN			M _L =3.8	1.2	0.030						
			SME				1.0	0.030						
<p>1985 4 7 O=21 10 08.8 ± 0.19s LAT=24.14 N ± 1.67km LONG= 69.45 E ± 2.24km DEPTH= 29 km ± 0.17km STATIONS USED = 22, STAND DEV= 2.36s Ms=4.9 / 1,</p>														
KSH	16.2	18	eP	21 13 55.0	-1.8									
			LE			Ms=4.9	5.0	1.10						
LSA	20.1	69	eP	21 14 44.1	0.2									
			eS	21 18 20.0	-4.0									
WMQ	24.7	33	eP	21 15 30.5	1.5									
			PMZ				1.5	0.030						
			PP	21 15 59.0	-5.9									
GTA	29.8	52	eP	21 16 18.8	3.0									
GYA	33.7	78	P	21 16 51.8	2.1									
XAN	35.7	65	eP	21 17 08.8	1.8									
<p>1985 4 7 O=21 27 36.5 ± 0.07s LAT=21.23 N ± 1.42km LONG= 61.83 E ± 1.15km DEPTH= 10 km ± 0.16km STATIONS USED = 91, STAND DEV= 1.12s Ms=5.2 / 29, m_B=5.5 / 4</p>														
KSH	21.8	31	-iP	21 32 33.0	1.4									
			S	21 36 32.0	4.7									
			LE			Ms=5.3	15.0	5.20						
LSA	27.7	66	eP	21 33 27.8	-0.2									

STATIONS USED = 9, STAND DEV = 2.81s

$M_L = 3.6 / 9,$

SSE	1.5	201	-Pn	02 40 33.0	2.2		
			Pg	02 40 33.8	1.8		
			Sg	02 40 52.8	0.1		
			SMN	$M_L = 3.6$	0.5	0.68	
			SME		0.5	0.84	
NJ2	2.5	261	-Pg	02 40 49.0	-1.5		
			Sg	02 41 20.0	-5.4		
			SME	$M_L = 4.2$	0.1	1.40	
TIA	5.4	315	ePn	02 41 27.0	3.0		
			Sg	02 42 52.0	-1.5		
			SMN	$M_L = 3.2$	0.6	0.030	
			SME		0.6	0.020	
			SMZ	$M_L = 3.3$	1.0	0.020	
WHN	6.7	255	ePg	02 42 03.5	0.4		
			eSg	02 43 30.0	-4.1		
			SMZ	$M_L = 3.7$	0.7	0.030	

1985 4 8
O = 03 45 22.5 ± 0.18s
LAT = 11.14 S ± 2.68km
LONG = 167.08 E ± 3.23km
DEPTH = 33 km ± 0.83km

STATIONS USED = 23, STAND DEV = 2.99s

NJ2	63.0	315	eP	03 55 48.0	-1.2		
MDJ	65.1	331	eP	03 56 01.0	-1.5		
CN2	66.5	328	-P	03 56 10.7	-1.1		
BJI	69.4	320	P	03 56 35.5	5.8		
GYA	69.6	304	P	03 56 37.0	6.0		
XAN	71.2	312	eP	03 56 39.4	-1.2		
KMI	72.3	301	+P	03 56 47.0	-0.6		
			pP	03 56 54.5	-2.4		
			eS	04 06 07.0	-0.9		
CD2	73.7	307	eP	03 56 55.7	0.0		
LZH	75.8	312	eP	03 57 14.5	6.6		
GTA	80.1	313	P	03 57 30.4	-1.2		

1985 4 8
O = 10 15 02.4 ± 0.11s
LAT = 26.90 S ± 1.40km
LONG = 177.34 W ± 1.39km
DEPTH = 118 km ± 1.15km

STATIONS USED = 50, STAND DEV = 1.18s

SSE	82.3	310	eP	10 27 12.0	-0.9		
			pP	10 27 41.0	-1.4		
			SKS	10 37 20.0	2.9		
NJ2	84.4	310	+P	10 27 24.0	0.2		
MDJ	86.1	325	eP	10 27 31.2	-0.8		
WHN	86.7	307	P	10 27 35.5	0.4		

DL2	86.8	317	eP	10 27 35.0	-0.4		
SNY	87.5	320	eP	10 27 37.9	-0.8		
CN2	87.7	322	+P	10 27 38.0	-1.9		
			PMZ			3.0	0.70
			eS	10 38 09.0	-1.8		
			sS	10 39 02.0	-0.7		
TIA	88.0	313	eP	10 27 41.5	0.1		
GYA	90.3	300	eP	10 27 53.5	1.2		
BJI	90.8	315	eP	10 27 55.0	0.4		
TIY	92.0	312	eP	10 28 00.2	0.3		
			PMZ			1.0	0.060
XAN	92.5	307	eP	10 28 01.7	-0.5		
KMI	92.8	297	+P	10 28 05.0	1.3		
CD2	94.7	302	eP	10 28 13.9	1.5		

1985 4 8
O = 16 17 12.2 ± 0.11s
LAT = 5.71 S ± 1.03km
LONG = 154.17 E ± 1.59km
DEPTH = 49 km ± 0.67km

STATIONS USED = 81, STAND DEV = 1.17s

$M_s = 5.4 / 29,$ $m_B = 5.9 / 30$

QZH	46.1	313	+iP	16 25 35.0	1.2		
			PMZ			$m_B = 6.1$	4.5 1.19
			S	16 32 17.0	2.9		
			sS	16 32 40.0	3.6		
			LE	$M_s = 5.3$	18.0	1.90	
SSE	48.3	321	+P	16 25 51.0	0.0		
			PMZ			$m_B = 6.1$	4.0 0.95
			sP	16 26 08.0	-0.6		
			PP	16 27 42.0	-0.2		
			eS	16 32 47.0	0.9		
			sS	16 33 08.0	0.6		
			ScS	16 35 40.0	4.6		
			LN	$M_s = 5.5$	25.0	1.96	
			LE		26.0	3.41	
			LZ	$M_s = 5.5$	26.0	3.93	
GZH	49.1	307	+P	16 25 59.2	2.1		
			PMZ			$m_B = 6.2$	5.0 1.51
			S	16 33 02.0	5.9		
			LE	$M_s = 5.6$	22.0	4.71	
QZN	50.1	300	+P	16 26 06.5	1.6		
			PMZ			$m_B = 6.0$	6.0 1.10
			S	16 33 17.0	6.8		
			SMN	$m_B = 5.8$	8.0	0.90	
			SME		9.0	0.70	
			LN	$M_s = 5.6$	20.0	2.50	
			LE		21.0	3.60	
NJ2	50.4	320	+iP	16 26 07.5	0.3		

			PMZ	$m_B = 6.2$	5.0	1.50				sS	16 35 18.0	-2.6		
			iS	16 33 17.0	1.5					LN	$M_s = 5.5$	20.0	1.54	
			LN	$M_s = 5.4$	20.0	2.30				LE		20.0	1.47	
WHN	52.4	316	+iP	16 26 23.5	0.9		XAN	58.2	316	+iP	16 27 04.4	0.0		
			PMZ	$m_B = 6.3$	4.0	1.63				PMZ	$m_B = 6.0$	5.0	1.03	
			PcP	16 27 31.0	-0.9					PP	16 29 14.0	-0.1		
			S	16 33 42.0	-0.5					S	16 35 00.0	0.6		
			SME	$m_B = 5.7$	9.0	0.85				sS	16 35 21.0	-1.4		
			LN	$M_s = 5.2$	16.0	1.09				LE	$M_s = 5.3$	19.0	1.57	
DL2	53.6	329	+P	16 26 30.0	-1.5		KMI	58.6	304	+P	16 27 08.5	1.1		
			eS	16 33 57.0	-2.9					PMZ		2.0	0.40	
			esS	16 34 17.0	-4.5					sP	16 27 26.0	0.9		
			LN	$M_s = 5.4$	18.0	1.78				eS	16 35 03.0	-3.4		
TIA	54.2	323	P	16 26 35.1	-0.9					LE	$M_s = 5.8$	26.0	6.54	
			eS	16 34 07.0	-1.1		CD2	60.4	310	+iP	16 27 20.1	0.9		
			SMN	$m_B = 5.3$	10.0	0.21				PMZ		0.8	0.20	
			SME		10.0	0.38				S	16 35 32.0	4.8		
			LN	$M_s = 4.9$	15.0	0.50				LE	$M_s = 5.5$	25.0	3.00	
MDJ	54.7	339	eP	16 26 38.2	-1.4		HHC	60.6	324	eP	16 27 20.6	-0.2		
			PMZ	$m_B = 5.8$	6.0	0.80				SME	$m_B = 5.4$	9.0	0.50	
			sP	16 26 55.0	-2.5					LE	$M_s = 5.4$	15.0	1.31	
			eS	16 34 06.0	-8.8		BTO	61.3	323	+iP	16 27 25.0	-0.9		
			LZ	$M_s = 5.1$	28.0	1.38				PMZ	$m_B = 6.0$	4.0	0.80	
SNY	54.9	332	+iP	16 26 39.0	-1.9					S	16 35 38.0	-1.7		
			PMZ	$m_B = 5.8$	6.0	0.73				LN	$M_s = 5.4$	17.0	0.70	
			S	16 34 16.0	0.0					LE		17.0	1.20	
			sS	16 34 42.0	3.2		LZH	62.8	316	+iP	16 27 36.5	0.5		
			SS	16 37 57.0	-2.2					PMZ		2.0	0.57	
			LN	$M_s = 5.2$	20.0	1.33				eS	16 36 01.5	1.5		
CN2	55.7	335	+P	16 26 44.4	-2.0					SME	$m_B = 5.8$	7.0	0.95	
			PMZ	$m_B = 5.9$	5.0	0.80				LE	$M_s = 5.4$	17.0	1.38	
			sP	16 27 04.5	0.2		GTA	67.2	317	+iP	16 28 05.4	1.0		
			S	16 34 23.0	-3.1					PMZ	$m_B = 5.9$	5.0	0.87	
			sS	16 34 47.0	-1.9					S	16 36 55.0	2.4		
			eSS	16 38 09.0	-2.5					SME	$m_B = 5.7$	10.0	0.83	
			LE	$M_s = 5.4$	16.0	1.70				LE	$M_s = 5.4$	19.0	1.42	
GYA	56.0	307	P	16 26 49.4	0.4		LSA	69.9	304	iP	16 28 22.1	1.1		
			pP	16 26 59.8	-1.7					PMZ	$m_B = 6.0$	5.5	1.05	
			sP	16 27 04.0	-2.7					S	16 37 29.0	5.1		
			S	16 34 36.0	5.3		WMQ	77.3	317	+iP	16 29 04.6	0.3		
			LE	$M_s = 5.6$	19.0	2.70				PMZ		2.5	0.47	
BJI	57.4	326	eP	16 26 58.0	-0.6					PcP	16 29 14.5	0.9		
			PMZ	$m_B = 5.7$	6.0	0.57				PP	16 31 58.0	-1.0		
			eS	16 34 55.0	5.0					S	16 38 52.0	4.3		
			SME	$m_B = 5.3$	8.0	0.31				sS	16 39 15.0	3.6		
			LE	$M_s = 5.2$	20.0	1.09	KSH	84.5	310	-iP	16 29 45.0	2.7		
TIY	58.1	322	+P	16 27 03.0	-0.5					SME	$m_B = 6.1$	9.0	1.30	
			PMZ	$m_B = 6.0$	6.0	1.12								
			PP	16 29 08.0	-4.9									
			S	16 34 59.0	1.3									

1985 4 8

O = 19 15 05.6

± 0.08s

LAT = 4.05 S ± 1.19km				iS 19 29 40.0 -2.2				
LONG = 136.35 E ± 1.18km				LN Ms = 5.8 20.0 8.00				
DEPTH = 13 km ± 0.09km				LZ Ms = 5.8 28.0 11.8				
STATIONS USED = 91, STAND DEV = 1.12s				TIA 43.9 337				
Ms = 5.9 / 46, m _B = 6.0 / 14				eP 19 23 13.6 -0.8				
QZH	33.6	330	eP	19 21 47.5	-0.7			pP 19 23 22.0 1.7
			pP	19 21 57.0	2.9			PP 19 25 02.3 4.4
			PP	19 22 57.0	-2.9			S 19 29 52.5 8.2
			S	19 27 07.0	-1.7			LN Ms = 6.1 18.5 12.1
			SS	19 29 18.5	5.9			LE 19.0 2.80
			LE	Ms = 5.7	16.0	7.96		LZ Ms = 6.1 17.0 11.4
QZN	34.7	312	eP	19 21 57.6	-0.5			DL2 44.9 344 eP 19 23 23.0 1.0
			PP	19 23 17.0	2.4			epP 19 23 32.0 4.1
			PcP	19 24 29.0	-2.3			eS 19 29 56.0 -3.0
			S	19 27 27.5	1.1			LN Ms = 6.0 20.0 11.0
			SMN	m _B = 5.9	7.0	0.80		XAN 45.9 328 +iP 19 23 30.0 -0.3
			SME		8.5	1.50		S 19 30 14.0 1.3
			LN	Ms = 5.9	18.0	12.0		LN Ms = 5.9 12.0 2.06
GZH	35.1	321	+P	19 22 03.0	1.8			LE 14.0 5.28
			S	19 27 30.0	-2.0			CD2 46.6 320 P 19 23 36.7 0.4
			SMN	m _B = 5.8	9.0	0.60		eS 19 30 18.5 -6.3
			SME		10.0	1.61		LN Ms = 5.7 20.0 5.10
			LN	Ms = 5.7	14.0	3.75		SNY 47.1 347 eP 19 23 39.1 -0.8
			LE		14.0	4.25		pP 19 23 50.0 4.2
SSE	37.8	339	-P	19 22 24.2	0.0			S 19 30 30.0 -0.3
			PMZ		1.4	0.19		SMN 22.0 2.49
			pP	19 22 34.0	3.9			sS 19 30 47.0 5.7
			sP	19 22 38.0	5.0			SS 19 33 52.0 1.5
			PP	19 23 53.0	0.1			LN Ms = 5.9 21.0 5.27
			PcP	19 24 42.0	1.5			LE 21.0 7.62
			eS	19 28 12.0	-2.8			TIY 47.1 334 eP 19 23 39.7 -0.3
			ScS	19 32 32.0	-1.9			PP 19 25 29.0 -0.7
			LN	Ms = 6.2	24.0	19.2		S 19 30 25.2 -5.2
			LE		24.0	22.0		sS 19 30 45.5 4.2
			LZ	Ms = 6.3	20.0	29.7		LN Ms = 5.9 16.0 7.41
NJ2	39.6	336	eP	19 22 39.0	0.2			BJI 47.6 339 eP 19 23 44.0 0.0
			iS	19 28 45.0	3.8			eS 19 30 40.0 1.4
			LN	Ms = 6.2	18.0	11.9		SMN m _B = 5.8 8.0 1.11
			LE		17.0	13.4		eSS 19 34 06.0 6.1
			LZ	Ms = 6.0	20.0	12.9		LN Ms = 6.2 19.0 13.7
WHN	40.3	330	+P	19 22 46.0	1.0			LE 20.0 6.14
			PMZ		1.5	0.16		LZ Ms = 6.2 20.0 16.3
			pP	19 22 52.0	1.1			CN2 48.6 349 -P 19 23 50.0 -1.8
			S	19 28 53.0	1.5			PMZ m _B = 5.8 5.0 0.70
			SMN	m _B = 6.0	12.0	3.19		pP 19 24 00.0 2.3
			LN	Ms = 5.7	14.0	4.63		PcP 19 25 20.8 4.0
GYA	41.8	318	P	19 22 57.4	0.3			PP 19 25 39.0 -4.8
			S	19 29 06.8	-6.3			eS 19 30 45.0 -7.8
			LE	Ms = 5.3	15.0	2.10		sS 19 31 04.0 1.2
KMI	43.7	313	+P	19 23 13.0	0.4			LZ Ms = 6.0 18.0 9.10
								MDJ 48.8 354 eP 19 23 52.3 -1.0

			PPMZ	$m_B = 7.3$	8.5	28.7			LN	$M_s = 7.3$	200	41.2
			iSKKS	02 28 29.0			NJ2	170.9 260	+iPKP	02 17 04.0	0.0	
			LN	$M_s = 7.3$	24.0	51.1			PKP ₂	02 18 30.0		
QZN	164.9	185	+iPKP	02 17 01.0	1.1				PKS	02 20 32.0		
			sPKP	02 17 15.5					PP	02 22 23.0	8.0	
			PKP ₂	02 18 02.0					PPMZ	$m_B = 7.5$	9.0	46.9
			PP	02 21 51.0	6.1				SKKS	02 29 00.0		
			PPMZ	$m_B = 6.8$	9.0	9.50			LE	$M_s = 7.3$	22.0	45.7
			SKKS	02 28 24.0			GTA	171.4 50	iPKP	02 17 05.0	0.6	
			LN	$M_s = 7.1$	20.0	23.0			PP	02 22 17.8	0.7	
SNY	165.7	307	iPKP	02 17 00.0	-0.7		BJI	171.4 316	iPKP	02 17 06.0	1.8	
			sPKP	02 17 14.5					PKP ₂	02 18 32.0		
			PKP ₂	02 18 02.5					PP	02 22 22.0	4.8	
			sPKP ₂	02 18 14.0					SKKS	02 29 12.0		
			PP	02 21 50.0	1.0				LN	$M_s = 7.1$	19.0	31.7
			PPMZ	$m_B = 7.2$	8.0	18.7			LZ	$M_s = 7.3$	20.0	52.6
			SKKS	02 28 32.0			GYA	172.2 169	+PKP	02 17 05.0	0.1	
			LN	$M_s = 7.2$	21.0	31.7			sPKP	02 17 19.0		
QZH	167.2	227	iPKP	02 17 03.0	1.3				PKP ₂	02 18 37.0		
			PKP ₂	02 18 13.0					PP	02 22 14.0	-7.5	
			ePP	02 22 00.0	3.5				LN	$M_s = 7.2$	25.0	36.0
			SKKS	02 28 38.0					LE		25.0	28.0
			LE	$M_s = 7.5$	21.0	58.1	TIA	172.5 289	iPKP	02 17 05.0	0.1	
GZH	168.2	203	+iPKP	02 17 04.0	1.7				sPKP	02 17 21.1		
			iPKP ₂	02 18 10.8					PKP ₂	02 18 35.0		
			iPP	02 22 04.0	2.8				sPKP ₂	02 18 42.5		
			PPMZ	$m_B = 7.0$	8.5	13.4			PP	02 22 30.5	7.7	
			LN	$M_s = 6.8$	22.0	13.0			PPMZ		13.0	35.9
DL2	168.3	298	+iPKP	02 17 01.5	-0.9				SKKS	02 29 05.0		
			sPKP	02 17 22.0					LN	$M_s = 7.2$	19.0	15.9
			ePKP ₂	02 17 15.0					LE		19.0	39.7
			ePKS	02 20 34.0			BTO	173.4 349	ePKP	02 17 05.9	0.5	
			PP	02 22 00.4	-1.3		WHN	173.8 237	iPKP	02 17 05.5	0.1	
			PPMZ	$m_B = 7.1$	9.0	19.3			sPKP	02 17 21.0		
			SKKS	02 28 40.0					iPKP ₂	02 18 44.5		
			LN	$M_s = 7.5$	19.0	54.3			PPMZ	$m_B = 7.2$	11.0	27.8
			LE		19.0	13.8			iSKKS	02 29 21.0		
SSE	168.8	258	iPKP	02 17 02.5	-0.2				LN	$M_s = 7.3$	19.0	40.0
			sPKP	02 17 17.0					LE		20.0	36.7
			PKP ₂	02 18 24.0			CD2	175.0 128	+iPKP	02 17 07.0	1.2	
			PP	02 22 10.0	5.9				PKP ₂	02 18 42.0		
			PPMZ	$m_B = 7.5$	8.0	38.8			PPMZ	$m_B = 6.7$	7.0	5.90
			SKKS	01 02 28.5					LE	$M_s = 6.3$	22.0	7.10
			LN	$M_s = 7.4$	20.0	24.1	TIY	175.1 318	iPKP	02 17 05.5	-0.4	
			LE		20.0	42.0			PKP ₂	02 18 44.5		
			LZ	$M_s = 7.3$	20.0	40.3			PKS	02 20 28.5		
KMI	169.8	150	+PKP	02 17 04.5	0.9				PP	02 22 35.5	-0.3	
			pPKP	02 17 13.0	-1.7				PPMZ	$m_B = 7.2$	10.0	27.6
			PP	02 22 07.0	-2.4				SKKS	02 29 22.0		
			SKKS	02 28 43.0					LN	$M_s = 7.3$	18.0	29.0



LZH	175.8	61	LE		18.5	51.7	SNY	15.6	305	cP	05 19 15.0	2.0		
			iPKP	02 17 07.0	0.8					PMZ			16.0	1.18
			PKP ₂	02 18 44.0						sP	05 19 28.0	0.8		
			iPP	02 22 39.0	-0.5					S	05 22 06.5	3.1		
			PPMZ	m _B =7.1	10.0	19.1				SS	05 22 26.0	3.8		
			SKKS	02 29 16.0						LN	M _s =5.2	12.0	4.75	
			LE	M _s =7.3	20.0	75.3				LE		13.5	4.10	
XAN	179.5	262	+PKP	02 17 06.0	-0.5		SSE	16.8	265	cP	05 19 30.0	2.0		
			sPKP	02 17 21.5						PMZ			1.0	0.030
			PKP ₂	02 19 25.0						pP	05 19 38.0	1.3		
			PP	02 22 54.5	-2.0					PP	05 19 44.0	2.2		
			PPMZ	m _B =7.6	10.0	72.5				sS	05 22 44.0	-1.5		
			SKKS	02 29 37.5						SS	05 22 56.0	4.5		
			LN	M _s =6.9	19.0	36.2				PcS	05 27 54.0	4.2		
			LE		19.0	34.9				LN	M _s =5.9	16.0	31.7	
										LE		16.0	24.4	
										LZ	M _s =5.4	16.0	12.9	
1985 4 9														
O=04 55 22.7 ± 0.10s														
LAT= 6.64 S ± 1.37km														
LONG=147.94 E ± 2.20km														
DEPTH= 65 km ± 0.38km														
STATIONS USED = 34, STAND DEV = 2.10s														
NJ2	47.4	326	eP	05 03 54.0	0.9		NJ2	18.5	270	cP	05 19 48.0	-1.1		
			S	05 10 45.0	4.1					iPP	05 20 05.5	1.2		
TIA	51.5	328	eP	05 04 28.2	3.8					eS	05 23 12.0	2.0		
XAN	54.8	320	eP	05 04 46.5	-2.1					sS	05 23 27.0	2.4		
BJI	54.9	330	eP	05 04 54.0	4.4					LN	M _s =5.6	18.0	18.3	
CD2	56.4	314	eP	05 05 02.4	2.1		TIA	19.4	283	cP	05 20 03.2	2.8		
LZH	59.3	319	eP	05 05 18.5	-2.4					sP	05 20 16.0	0.9		
GTA	63.8	320	eP	05 05 50.1	-1.2					LN	M _s =5.5	13.0	3.83	
WMQ	73.9	319	eP	05 06 57.0	3.7					LE		13.0	9.35	
										LZ	M _s =5.5	13.0	9.62	
1985 4 9														
O=05 15 34.7 ± 0.07s														
LAT=34.09 N ± 1.44km														
LONG=140.75 E ± 1.37km														
DEPTH= 43 km ± 0.45km														
STATIONS USED = 96, STAND DEV = 1.53s														
M _s =5.5 / 36, m _B =5.8 / 5														
MDJ	13.6	324	eP	05 18 46.0	-1.2		BJI	20.5	294	eP	05 20 12.0	0.6		
			sP	05 18 59.0	-2.2					eS	05 23 52.0	-1.2		
			eS	05 21 25.0	7.8					SMN	m _B =5.2	8.0	0.69	
			sS	05 21 27.0	-3.6					LN	M _s =5.3	12.0	3.77	
			LZ	M _s =5.2	13.0	8.42				LE		13.0	3.82	
CN2	15.3	314	+P	05 19 10.4	0.5		QZH	21.3	251	eP	05 20 17.0	-3.0		
			pP	05 19 18.0	-0.3					sP	05 20 30.0	-5.4		
			iS	05 21 59.5	1.1					S	05 24 06.0	-2.1		
			SS	05 22 16.0	-0.1					LN	M _s =5.2	15.0	2.30	
			LN	M _s =5.4	12.0	8.30				LE		15.0	4.00	
			LE		12.0	4.80	WHN	22.6	268	P	05 20 35.0	2.4		
										sP	05 20 49.0	0.8		
										S	05 24 31.0	-0.5		
										SMN	m _B =5.9	6.0	1.91	
										SS	05 25 14.0	-0.8		
										LN	M _s =5.6	16.0	10.9	
							TIY	23.2	287	eP	05 20 38.0	-0.8		
										S	05 24 46.0	3.5		
										LN	M _s =5.4	13.0	5.44	
										LE		13.0	2.82	
							HHC	24.1	295	eP	05 20 48.0	0.7		
							BTO	25.2	294	eP	05 20 58.3	0.0		
							XAN	26.3	279	P	05 21 07.0	-1.7		

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DEPTH = 34 km ± 0.23km					STATIONS USED = 43, STAND DEV = 2.08s					
Ms = 4.3 / 4, ML = 4.9 / 7,										
GTA	5.5	183	iPn	15 32 12.5	2.3					
			Pg	15 32 30.5	3.1					
			Sn	15 33 20.0	5.7					
			Sg	15 33 40.5	-2.8					
			SMN	ML = 4.9	1.0	1.09				
			SME		1.0	0.95				
BTO	8.5	117	eP	15 32 51.7	-1.3					
			LN	Ms = 3.9	7.0	0.40				
			IE		7.0	0.30				
WMQ	9.0	267	eP	15 32 59.5	-0.6					
			SMN	ML = 5.0	1.0	0.32				
			SME		0.8	0.26				
LZH	9.3	161	eP	15 33 03.5	-1.0					
			SMN		1.5	0.37				
			SME		2.0	0.44				
HHC	9.3	112	-P	15 33 03.4	-1.6					
			LN	Ms = 4.4	7.0	1.47				
XAN	12.8	145	eP	15 33 48.8	-3.7					
			LN	Ms = 4.2	8.0	0.41				
			LE		8.0	0.33				
CD2	14.3	167	P	15 34 13.8	1.9					
LSA	16.8	208	P	15 34 48.2	3.8					
DL2	17.1	103	eP	15 34 50.0	2.6					
CN2	18.1	85	P	15 35 02.4	1.9					
GYA	19.2	162	P	15 35 15.6	2.1					
KMI	19.9	173	eP	15 35 20.0	-1.4					
MDJ	20.9	80	eP	15 35 30.5	-0.9					
1985 4 10										
O = 16 26 19.9 ± 0.05s										
LAT = 29.96 N ± 0.80km										
LONG = 138.87 E ± 0.88km										
DEPTH = 419 km ± 0.20km										
STATIONS USED = 118, STAND DEV = 0.84s										
m _B = 6.3 / 58										
SSE	15.3	279	-iP	16 29 35.0	-1.8					
			PMZ		0.8	0.24				
			iS	16 32 10.0	-5.7					
			SMN	m _B = 6.1	10.0	7.95				
			SME		10.0	24.4				
MDJ	16.4	336	-iP	16 29 48.0	0.2					
			PMZ		3.0	4.14				
			sP	16 31 26.0	-3.3					
			SME	m _B = 6.0	10.0	18.0				
			ScP	16 37 07.0	-2.4					
			PcS	16 37 55.0	5.1					
			ScS	16 40 48.0	0.2					
DL2	16.8	307	iP	16 29 51.0	-0.9					
			PMZ	m _B = 6.5	4.0	7.08				
			S	16 32 41.0	-2.0					
			SMN	m _B = 6.5	6.0	10.2				
			SME		6.0	26.7				
			PcP	16 34 21.0	4.7					
			ScS	16 40 48.0	-1.0					
SNY	17.1	318	-iP	16 29 55.8	0.5					
			PMZ	m _B = 6.3	4.0	4.52				
			sP	16 31 34.0	-4.9					
			S	16 32 47.5	-1.7					
			SME	m _B = 6.1	11.0	22.5				
			ScS	16 40 51.0	1.0					
NJ2	17.3	282	-iP	16 29 55.0	-2.1					
			PMZ	m _B = 6.5	5.5	10.3				
			sP	16 31 37.0	-4.3					
			iS	16 32 54.0	0.9					
			SMN	m _B = 5.8	6.5	6.00				
CN2	17.5	326	-iP	16 29 59.0	0.1					
			PMZ	m _B = 6.3	7.0	7.60				
			sP	16 31 40.0	-3.6					
			iS	16 32 54.0	-2.3					
			SMN	m _B = 6.8	8.0	28.9				
			SME		8.0	63.0				
			ScP	16 37 13.4	1.7					
QZH	18.7	259	-iP	16 30 11.0	0.1					
			PMZ	m _B = 6.6	7.0	14.7				
			sP	16 31 55.0	-4.3					
			iS	16 33 16.0	-1.9					
			SMN	m _B = 5.9	10.0	11.3				
TIA	19.2	295	-P	16 30 16.1	-0.4					
			PMZ	m _B = 6.5	6.0	12.3				
			sP	16 32 02.7	-3.8					
			S	16 33 31.5	4.3					
			SMN	m _B = 6.0	7.5	10.0				
			ScS	16 40 58.5	1.9					
BJI	21.1	305	-iP	16 30 34.0	-0.2					
			PMZ	m _B = 6.5	5.0	9.52				
			S	16 33 54.0	-4.7					
			SMZ		9.0	19.9				
			PcS	16 38 06.0	5.6					
			ScS	16 41 05.0	2.1					
WHN	21.2	278	-iP	16 30 36.0	0.9					
			PMZ	m _B = 6.5	8.0	16.5				
			isP	16 32 29.0	-1.7					
			iS	16 34 04.0	2.9					
			SME	m _B = 6.5	8.0	27.5				
TIY	23.2	296	-iP	16 30 54.5	0.3					
			PMZ		1.6	1.88				
			sP	16 32 49.5	-3.4					

April, 1985

QZN	50.0	250	eP	20 46 28.4	1.2			
			S	20 53 35.0	1.0			
KSH	57.3	294	P	20 47 22.0	0.8			
			sP	20 47 36.0	3.0			
			iS	20 55 17.0	2.7			
			SMN	$m_B = 5.9$	6.0	0.99		
			LE	$M_s = 5.3$	14.0	0.99		

							PMZ	1.5	0.80
DL2	91.1	319	+P	12 08 08.9	-0.2				
MDJ	91.5	327	+P	12 08 10.2	-0.8				
TIA	91.7	314	eP	12 08 11.8	-0.1				
GYA	92.0	301	-P	12 08 13.6	0.2				
SNY	92.2	322	eP	12 08 12.5	-1.8				
CN2	92.8	324	+P	12 08 15.5	-1.4				
							PMZ	2.0	0.70
							PP	12 11 57.0	-4.6
							LN	30.0	0.80
							LE	30.0	0.70

1985 4 11
 O=04 20 23.9 ± 0.09s
 LAT=44.35 N ± 1.29km
 LONG=102.04 E ± 1.03km
 DEPTH= 34 km ± 0.17km
 STATIONS USED = 30, STAND DEV = 2.10s
 $M_s = 4.3 / 1$, $M_L = 4.7 / 10$,

GTA	5.2	199	Pn	04 21 41.6	1.5			
			Sn	04 22 33.6	-6.9			
			Sg	04 23 00.0	-7.5			
			SMN	$M_L = 5.0$	0.2	1.45		
			SME		0.2	1.72		
HHC	7.8	113	eP	04 22 19.0	0.2			
			SMN	$M_L = 4.9$	1.0	0.49		
			SME		1.0	0.25		
LZH	8.4	170	eP	04 22 24.0	-2.1			
			SMN	$M_L = 5.0$	1.5	0.47		
			SME		1.5	0.30		
WMQ	10.3	272	P	04 22 52.5	-0.7			
			SMN		1.0	0.36		
			SME		1.0	0.28		
XAN	11.6	150	eP	04 23 13.2	2.9			
CN2	16.8	84	eP	04 24 22.0	3.3			
			eS	04 27 19.0	-4.5			
			LE	$M_s = 4.3$	10.0	0.60		
GYA	18.2	167	eP	04 24 39.8	3.3			
KSH	20.0	265	eP	04 24 58.0	1.5			

KMI	94.0	298	+P	12 08 23.0	0.6			
BJI	94.9	317	eP	12 08 27.0	0.6			
XAN	95.3	308	+P	12 08 28.2	-0.1			
TIY	95.5	313	+P	12 08 29.0	-0.3			
HHC	98.0	315	P	12 08 41.0	0.1			
BTO	98.8	314	eP	12 08 43.7	-0.6			

1985 4 11
 O=15 20 38.8 ± 0.06s
 LAT=38.17 N ± 1.01km
 LONG= 73.99 E ± 0.98km
 DEPTH=151 km ± 0.29km
 STATIONS USED = 22, STAND DEV = 1.61s
 $M_L = 5.2 / 1$,

KSH	2.0	50	+iP	15 21 18.0	3.2			
			iS	15 21 45.0	2.8			
			SME	$M_L = 5.2$	1.0	21.7		
WMQ	11.8	57	P	15 23 22.7	-0.7			
			S	15 25 24.5	-7.4			
GTA	20.1	78	P	15 25 04.6	1.1			
XAN	28.4	88	eP	15 26 20.7	-1.1			

1985 4 11
 O=11 55 14.6 ± 0.09s
 LAT=35.55 S ± 1.44km
 LONG=179.01 E ± 1.53km
 DEPTH=108 km ± 0.57km
 STATIONS USED = 75, STAND DEV = 1.09s

QZH	82.9	307	-iP	12 07 30.5	0.8			
QZN	85.0	297	+P	12 07 41.0	0.9			
GZH	85.2	303	-iP	12 07 42.2	1.3			
SSE	85.7	313	eP	12 07 42.0	-1.4			
			PMZ		1.0	0.10		
NJ2	87.8	313	-iP	12 07 54.0	0.5			
			LZ		22.0	0.60		
WHN	89.5	309	-iP	12 08 02.0	0.3			

1985 4 12
 O=00 00 42.2 ± 0.11s
 LAT=44.06 N ± 1.92km
 LONG=148.53 E ± 1.79km
 DEPTH= 34 km ± 0.14km
 STATIONS USED = 22, STAND DEV = 1.48s

BJI	24.3	272	eP	00 06 00.0	2.4			
TIA	25.1	263	eP	00 06 06.6	0.5			
NJ2	26.1	253	eP	00 06 18.0	2.8			
CD2	37.4	265	P	00 07 54.7	0.2			
GYA	38.0	257	eP	00 07 58.2	-0.9			
KMI	41.6	258	eP	00 08 29.0	0.0			
WMQ	42.9	292	P	00 08 40.3	0.4			

1985 4 12
 O=03 08 49.9 ± 0.10s
 LAT=36.68 N ± 1.69km

LONG = 70.51 E ± 1.40km
DEPTH = 34 km ± 0.19km
STATIONS USED = 29, STAND DEV = 2.08s

Ms = 4.1 / 1, ML = 4.6 / 1,

KSH	5.1	56	+iP	03 10 12.0	5.4		
WMQ	14.9	56	eP	03 12 19.4	-1.0		
			eS	03 15 00.0	-5.4		
			sS	03 15 17.5	0.6		
			PcP	03 17 25.0	-4.0		
			LN			2.5	0.11
LSA	18.6	106	eP	03 13 08.8	1.5		
			SMN			13.0	1.69
GTA	23.2	74	+P	03 13 55.2	0.2		
CD2	28.1	92	eP	03 14 41.5	0.2		
XAN	31.3	83	eP	03 15 07.4	-2.1		
GYA	32.3	98	P	03 15 17.2	-1.0		

1985 4 12

O = 04 18 32.7 ± 0.06s

LAT = 3.61 N ± 0.96km

LONG = 127.19 E ± 1.88km

DEPTH = 61 km ± 0.11km

STATIONS USED = 41, STAND DEV = 0.92s

QZN	22.8	313	eP	04 23 33.2	1.5		
GZH	23.5	327	eP	04 23 39.0	0.6		
NJ2	29.4	345	eP	04 24 32.0	-0.3		
GYA	30.0	321	P	04 24 38.8	0.2		
KMI	31.8	315	eP	04 24 54.5	0.4		
CD2	35.0	323	P	04 25 21.0	-0.7		
DL2	35.5	353	eP	04 25 27.0	1.2		
BJI	37.6	346	eP	04 25 44.0	0.4		
SNY	38.2	356	eP	04 25 50.2	1.8		
LZH	38.8	329	eP	04 25 54.0	0.0		
GTA	43.4	329	P	04 26 31.8	0.0		
WMQ	53.1	325	eP	04 27 46.4	-0.3		

1985 4 12

O = 06 12 44.7 ± 0.08s

LAT = 11.39 S ± 1.37km

LONG = 165.74 E ± 1.48km

DEPTH = 32 km ± 0.27km

STATIONS USED = 106, STAND DEV = 1.10s

Ms = 5.9 / 42, m_B = 6.2 / 17

QZH	58.5	309	eP	06 22 41.0	0.7		
			S	06 30 40.0	1.1		
			LN			Ms = 5.6	17.0
SSE	60.1	316	-P	06 22 51.0	-0.7		
			PMZ			0.8	0.090
			eS	06 30 55.0	-6.3		
			sS	06 31 23.0	6.2		

			ScS	06 32 28.0	-7.2		
			SS	06 34 52.0	-6.1		
			LN		Ms = 5.9	16.0	4.01
			LE			16.0	2.75
GZH	61.7	304	-iP	06 23 03.3	0.9		
			iS	06 31 16.5	-5.0		
			SMN		m _B = 6.2	11.0	2.97
			SME			10.0	1.21
			SS	06 35 24.0	0.5		
			LN		Ms = 5.8	24.0	2.24
			LE			24.0	5.10
NJ2	62.3	316	-P	06 23 06.0	-0.3		
			S	06 31 28.0	0.4		
			LE		Ms = 5.7	13.0	2.30
QZN	62.8	298	eP	06 23 10.8	0.6		
			PP	06 25 34.5	5.2		
			ScP	06 27 41.0	-4.5		
			eS	06 31 38.0	1.9		
			SMN		m _B = 6.2	12.0	3.60
			ScS	06 32 56.0	0.3		
			LN		Ms = 5.5	11.0	1.10
WHN	64.6	312	eP	06 23 21.0	-0.8		
			PMZ		m _B = 5.9	6.0	0.83
			eS	06 31 54.0	-4.2		
			SMZ			14.0	1.54
			LN		Ms = 5.9	19.0	4.41
MDJ	64.6	332	eP	06 23 21.8	-0.2		
			pP	06 23 37.0	5.4		
			eS	06 31 50.0	-8.6		
			SME		m _B = 6.2	11.0	2.97
			ScS	06 33 08.0	-1.4		
			SS	06 36 03.0	-7.2		
			LZ		Ms = 6.0	16.0	5.53
DL2	64.7	323	eP	06 23 21.5	-1.2		
			ePP	06 25 43.0	-3.4		
			S	06 31 50.0	-8.6		
			SMN		m _B = 6.1	11.0	1.86
			SME			10.0	1.78
			LN		Ms = 6.1	14.0	4.95
SNY	65.6	327	-P	06 23 27.5	-0.7		
			PMZ			13.0	1.31
			S	06 32 12.0	2.8		
			SMN			15.0	2.29
			ScS	06 33 14.0	-2.8		
			SS	06 36 30.0	5.2		
			LN		Ms = 6.1	15.0	5.65
TIA	65.9	318	-P	06 23 28.8	-1.1		
			PMZ			16.0	1.71
			PP	06 25 53.0	-3.5		
			PPMZ			18.0	1.31

	eS	06 32 17.0	3.4					LZ	Ms=5.9	15.0	3.20		
	SMN	m _B =5.8	9.0	1.08	LZH	75.0	312	+P	06 24 26.0	0.5			
	SS	06 36 28.0	-0.6					PMZ		2.2	0.65		
	LN	Ms=6.1	17.0	5.18	GTA	79.3	314	+P	06 24 50.2	0.6			
	LE		17.0	4.21				eS	06 34 43.0	-4.0			
	LZ	Ms=5.9	17.0	4.58				LE	Ms=6.0	17.5	4.20		
CN2	66.0	329	+P	06 23 30.0	-0.9			LSA	82.5	302	P	06 25 08.4	1.4
	PMZ	m _B =6.0	8.0	1.70	WMQ	89.3	315	+P	06 25 40.0	-0.1			
	SMN	m _B =6.0	9.0	1.00				PP	06 29 07.5	-4.8			
	SME		9.0	1.20				SME	m _B =6.8	4.5	4.59		
	sS	06 32 36.0	4.8					SS	06 42 20.0	-2.6			
	ScS	06 33 20.0	0.0					LN	Ms=5.9	20.0	2.95		
	LN	Ms=6.1	13.5	4.20	KSH	97.0	309	eP	06 26 14.0	-1.1			
	LE		13.5	3.00				LE	Ms=5.9	15.0	1.70		
GYA	68.6	304	+P	06 23 48.0	0.7								
	S	06 32 50.0	4.8										
	LN	Ms=5.8	18.0	2.90									
BJI	68.7	321	eP	06 23 48.5	0.5								
	S	06 32 53.0	6.2										
	SMN		13.0	1.25									
	SME		13.0	1.24									
	LN	Ms=6.0	18.0	5.40	MDJ	64.7	332	eP	06 44 00.5	-1.0			
TIY	69.8	317	+P	06 23 54.5	-0.1								
XAN	70.3	312	+P	06 23 57.0	-0.9								
	iS	06 33 11.0	3.7										
	SMN	m _B =6.1	12.0	2.06	KMI	71.5	301	eP	06 44 46.0	1.9			
	LN	Ms=5.9	15.0	3.25	CD2	73.0	307	eP	06 44 54.0	1.2			
KMI	71.3	301	+P	06 24 04.0	0.2			GTA	79.5	314	P	06 45 30.7	1.3
	S	06 33 22.0	5.3										
	SMN	m _B =6.3	9.0	2.94									
	SKS	06 34 00.0	1.3										
	LZ	Ms=4.3	24.0	0.13									
HHC	72.1	320	-iP	06 24 09.0	0.6								
	PP	06 26 49.0	-0.4										
	S	06 33 19.0	-6.9										
	SMN	m _B =6.2	10.0	1.99	XAN	27.4	276	eP	12 07 52.2	-2.0			
	SME		10.0	1.54	GYA	31.8	263	eP	12 08 32.8	-0.7			
	LN	Ms=5.7	12.0	1.75	GTA	33.6	289	P	12 08 50.0	0.3			
CD2	72.8	307	P	06 24 13.0	0.4			WMQ	42.1	298	eP	12 10 02.8	2.6
	eS	06 33 33.0	-2.7										
	SS	06 38 15.0	-1.7										
	LE	Ms=6.1	22.0	6.90									
	LZ	Ms=6.0	27.0	7.20									
BTO	72.9	319	P	06 24 14.0	0.5								
	PP	06 26 56.0	-1.2										
	S	06 33 29.0	-6.6										
	SMN	m _B =6.2	9.0	1.50	CN2	66.2	329	eP	13 18 44.4	-1.6			
	SME		9.0	1.10	GYA	68.8	304	P	13 19 02.2	-0.1			
	LN	Ms=6.1	14.0	3.60	BJI	68.9	321	eP	13 19 02.5	-0.5			
	LE		15.0	3.30	XAN	70.5	312	+P	13 19 12.4	-0.5			

1985 4 12

O=06 33 23.9 ± 0.10s
 LAT=11.30 S ± 1.19km
 LONG=166.06 E ± 2.49km
 DEPTH= 35 km ± 0.24km
 STATIONS USED = 17, STAND DEV = 1.59s

1985 4 12

O=12 02 09.7 ± 0.05s
 LAT=35.83 N ± 1.46km
 LONG=142.33 E ± 0.91km
 DEPTH= 35 km ± 0.25km
 STATIONS USED = 11, STAND DEV = 1.41s

1985 4 12

O=13 07 58.8 ± 0.14s
 LAT=11.53 S ± 1.50km
 LONG=165.86 E ± 1.87km
 DEPTH= 34 km ± 1.08km
 STATIONS USED = 14, STAND DEV = 1.83s

KMI	71.5	301	eP	13 19 19.0	0.3
CD2	73.0	307	eP	13 19 28.1	0.5
GTA	79.5	314	P	13 20 05.1	0.7

1985 4 12

O=14 34 55.1 ± 0.13s
 LAT=24.02 S ± 2.88km
 LONG= 60.63 W ± 1.72km
 DEPTH= 20 km ± 0.59km
 STATIONS USED = 35, STAND DEV= 1.62s

KSH	140.4	57	ePKP	14 54 30.0	5.8
WMQ	147.4	45	PKP	14 54 36.0	-0.2
GTA	157.4	43	PKP	14 54 51.4	0.6
			PKP ₂	14 55 23.8	
CN2	159.6	347	PKP	14 54 53.0	-0.3
			PKP ₂	14 55 30.0	
			pPKP ₂	14 55 41.0	
			ePP	14 59 10.5	-4.4
HHC	162.0	19	ePKP	14 54 57.8	2.0
CD2	164.5	60	ePKP	14 54 59.2	0.9
			PKP ₂	14 55 54.0	
KMI	164.8	82	ePKP	14 55 00.0	1.2
XAN	166.5	40	PKP	14 55 00.5	0.5
			PKP ₂	14 56 02.0	
TIA	167.7	9	ePKP	14 55 02.0	1.3
			PKP ₂	14 56 07.3	
GYA	168.2	75	PKP	14 55 02.0	0.8
			pPKP	14 55 10.6	4.0
			PKP ₂	14 56 10.8	

1985 4 12

O=14 55 43.5 ± 0.07s
 LAT= 1.44 N ± 0.97km
 LONG= 98.98 E ± 0.91km
 DEPTH=124 km ± 0.84km
 STATIONS USED = 45, STAND DEV= 1.20s

QZN	20.5	31	eP	15 00 15.8	2.4
KMI	23.8	8	eP	15 00 48.5	1.9
LSA	29.1	346	P	15 01 35.8	0.6
CD2	29.7	8	eP	15 01 37.4	-2.6
XAN	33.7	15	+P	15 02 13.5	-2.0
GTA	37.8	1	-P	15 02 50.1	0.2
			PcP	15 05 05.5	1.7
			ScP	15 08 42.3	4.1
			ScS	15 12 48.0	1.9
DL2	42.7	26	eP	15 03 30.5	0.8
WMQ	43.4	348	eP	15 03 36.4	0.7
SNY	45.9	26	eP	15 03 55.5	-0.2
CN2	48.3	26	-iP	15 04 14.2	-0.4
MDJ	50.8	28	-P	15 04 33.7	0.0

1985 4 12

O=16 12 10.0 ± 0.08s
 LAT=35.51 N ± 2.02km
 LONG=140.11 E ± 1.36km
 DEPTH= 82 km ± 1.01km
 STATIONS USED = 36, STAND DEV= 1.91s

MDJ	12.1	322	eP	16 15 03.2	1.5
CN2	14.0	311	+P	16 15 28.6	2.7
			pP	16 15 36.0	-3.1
SNY	14.4	301	eP	16 15 35.0	4.3
DL2	15.1	288	eP	16 15 44.0	3.6
TIA	18.6	279	eP	16 16 20.2	-3.7
BJI	19.4	291	eP	16 16 32.0	-0.6
HHC	23.0	292	eP	16 17 11.0	2.1
XAN	25.6	276	eP	16 17 33.0	-0.7
GYA	29.9	262	P	16 18 12.0	-1.1
GTA	32.0	289	P	16 18 31.6	0.1
WMQ	40.6	298	eP	16 19 45.0	1.2

1985 4 12

O=21 05 07.1 ± 0.07s
 LAT= 6.08 S ± 1.55km
 LONG=105.55 E ± 1.89km
 DEPTH= 68 km ± 0.40km
 STATIONS USED = 29, STAND DEV= 1.41s

Ms=4.8 / 1,

KMI	31.1	355	eP	21 11 23.0	0.9
GYA	32.4	2	P	21 11 34.6	1.9
CD2	36.8	357	P	21 12 10.7	0.0
XAN	40.0	4	eP	21 12 37.2	-0.3
GTA	45.6	354	P	21 13 23.0	0.4
			LE	Ms=4.8	11.0 0.42
BJI	46.9	11	eP	21 13 34.0	0.8
DL2	47.2	17	eP	21 13 35.0	-0.1
WMQ	52.2	344	P	21 14 13.0	-0.9
CN2	52.8	18	+P	21 14 15.8	-2.4

1985 4 12

O=21 53 51.3 ± 0.07s
 LAT=45.25 N ± 2.81km
 LONG=150.53 E ± 1.49km
 DEPTH= 19 km ± 1.07km
 STATIONS USED = 27, STAND DEV= 1.28s

Ms=4.1 / 1,

MDJ	14.8	275	eP	21 57 23.0	0.7
CN2	17.9	274	+P	21 58 01.8	0.2
			LN	Ms=4.1	12.0 0.40
SNY	19.8	270	eP	21 58 22.6	-1.2
DL2	22.3	264	eP	21 58 49.0	-0.4

1985 4 13					GYA 31.2 324 -P										
O=03 00 05.8			± 0.06s						03 06 22.0	-0.7					
LAT= 1.65 N			± 0.82km						pP	03 06 35.0	0.2				
LONG=126.49 E			± 1.15km						S	03 11 22.0	-0.5				
DEPTH= 51 km			± 0.18km						SMN			27.0	11.0		
STATIONS USED =110,			STAND DEV= 0.88s						SME			27.0	14.2		
Ms=6.7/54,			m _B =6.8/24						LN	Ms=6.8		15.0	65.0		
QZN 23.8 318 -iP			03 05 15.0			0.4			LE			15.0	85.0		
			PMZ				3.0	18.0	KMI 32.7 317 -P			03 06 36.0	-0.2		
			pP			03 05 31.0		4.4				pP	03 06 50.0	1.7	
			PP			03 05 53.0		5.0				iS	03 11 46.0	-1.9	
			iS			03 09 24.0		1.1				SME		15.0	25.6
			SMN			m _B =7.2		12.0	56.8			sS	03 12 11.0	2.1	
			SME					12.0	45.3	TIA 35.5 347 -P		LE	Ms=6.8	18.0	104
			SS			03 10 22.0		8.5				pP	03 07 13.0	0.8	
			LE			Ms=6.1		16.0	34.7			PcP	03 09 30.0	2.2	
QZH 24.4 342 +iP			03 05 21.0			0.4						S	03 12 34.0	4.7	
			pP			03 05 37.0		4.3				SMN		12.5	36.0
			S			03 09 34.0		1.1				SME		12.5	11.3
			LN			Ms=6.7		35.0	298			LN	Ms=6.6	17.5	58.5
GZH 24.8 330 +iP			03 05 25.5			0.4						LZ	Ms=6.6	15.0	47.3
			PMZ					3.0	15.4	XAN 36.2 335 -iP			03 07 04.3	-1.4	
			S			03 09 34.0		-6.6				pP	03 07 17.5	-0.7	
			SMN			m _B =7.1		12.0	60.5			sP	03 07 26.0	2.4	
			LN			Ms=6.8		20.0	147			iS	03 12 38.0	-3.1	
			LE					20.0	127			SMN		13.0	26.5
SSE 29.7 351 +iP			03 06 10.0			0.4						sS	03 13 05.0	2.4	
			PMZ			m _B =6.8		6.0	11.2			SS	03 15 10.0	3.8	
			pP			03 06 22.0		0.0				LN	Ms=6.4	13.0	20.6
			sP			03 06 32.0		4.5				LE		13.0	19.7
			S			03 11 02.0		2.4		CD2 36.2 326 P			03 07 05.2	-0.7	
			SMN					15.0	66.1			PMZ		1.4	0.70
			SME					14.0	19.3			pP	03 07 20.5	2.1	
			sS			03 11 27.0		5.2				sP	03 07 28.5	4.6	
			SS			03 12 44.0		7.4				PP	03 08 25.0	-3.5	
			LN			Ms=6.2		14.0	24.8			S	03 12 38.0	-2.5	
			LZ			Ms=6.1		12.0	16.1			SME	m _B =6.9	5.0	11.8
WHN 31.0 339 +iP			03 06 21.2			0.6						sS	03 13 03.5	0.5	
			pP			03 06 36.0		3.1				SS	03 15 10.0	3.2	
			sP			03 06 42.5		4.0				eScS	03 17 12.0	-3.0	
			S			03 11 21.0		1.9				LE	Ms=7.4	5.0	94.2
			LN			Ms=6.7		20.0	14.6	DL2 37.3 354 +iP			03 07 16.0	0.5	
			LE					20.0	117			epP	03 07 30.0	1.9	
			LZ			Ms=6.9		23.0	206			S	03 12 59.0	0.9	
NJ2 31.1 347 +iP			03 06 22.5			0.7						SMN		13.0	29.9
			PP			03 07 30.0		5.7				SME		12.0	13.3
			iS			03 11 24.0		2.1				LE	Ms=6.6	16.0	47.0
			SMN					14.0	16.5	TIY 38.1 342 +iP			03 07 22.0	-0.3	
			PcS			03 12 56.5		-1.9				PMZ	m _B =6.6	10.0	9.78
			LE			Ms=6.4		15.0	37.3			S	03 13 10.0	-0.3	

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			SMN		15.0	28.4			PP	03 09 34.0	-0.4		
			SME		14.0	13.2			PPMZ			9.0	12.2
			sS	03 13 37.5	4.6				PcP	03 09 51.0	2.8		
			LN	Ms=7.0	24.0	196			ScP	03 13 33.0	0.4		
BJI	39.3	347	eP	03 07 33.0	0.8				S	03 14 11.0	3.4		
			PMZ	m _B =6.3	8.0	4.17			SS	03 17 07.0	-4.1		
			epP	03 07 40.0	-4.8				LN	Ms=6.7	18.0	23.4	
			ePP	03 09 05.0	-1.7				LE		18.0	50.7	
			S	03 13 27.0	-1.4			MDJ	42.9	3	+P	03 08 01.4	0.1
			SMN	m _B =6.9	12.0	28.1			PMZ	m _B =7.1	4.0	11.5	
			ScS	03 17 39.0	6.1				pP	03 08 18.0	4.0		
			LE	Ms=6.6	21.0	57.4			iS	03 14 22.0	0.4		
			LZ	Ms=6.4	20.0	37.9			SME		13.0	33.1	
SNY	40.1	357	-iP	03 07 38.8	0.5				sS	03 14 47.0	3.6		
			PMZ	m _B =7.0	4.5	10.0			SS	03 17 27.0	-0.9		
			pP	03 07 52.0	1.1				LZ	Ms=7.2	28.0	250	
			sP	03 08 00.0	3.5			LSA	43.7	313	P	03 08 08.9	0.8
			PcP	03 09 47.0	5.0				iS	03 14 30.0	-3.9		
			iS	03 13 32.0	-8.4				SMN	m _B =6.6	5.5	5.90	
			SMN	m _B =6.4	10.0	7.47			LN	Ms=6.8	23.0	84.1	
			ScS	03 17 42.0	4.8			GTA	44.8	330	-iP	03 08 16.5	-0.2
			LE	Ms=6.7	20.0	65.4			PMZ	m _B =6.2	4.5	1.69	
LZH	40.2	331	-P	03 07 39.0	-0.3				pP	03 08 29.0	-0.3		
			PMZ			3.0	5.88		sP	03 08 33.5	-1.2		
			sP	03 08 02.0	4.7				PcP	03 10 00.0	2.5		
			PcP	03 09 36.0	-6.3				ScP	03 13 47.5	3.6		
			PcS	03 13 36.0	4.6				iS	03 14 47.0	-2.4		
			iS	03 13 41.0	-1.2				SMN		13.0	10.4	
			SMN			13.0	21.9		sS	03 15 08.5	-2.4		
			LN	Ms=6.9	20.0	101			ScS	03 18 10.5	4.8		
			LE		20.0	19.9			LE	Ms=6.9	20.0	90.1	
HHC	41.3	343	+iP	03 07 49.0	0.6			WMQ	54.3	326	-P	03 09 29.0	-0.8
			PMZ	m _B =6.5	6.0	4.30			pP	03 09 41.0	-1.7		
			sP	03 08 07.0	0.5				PcP	03 10 33.0	0.8		
			PP	03 09 25.0	-1.8				PP	03 11 29.5	-2.6		
			SMN			14.0	26.7		S	03 17 00.0	-0.7		
			LN	Ms=6.9	20.0	96.6			SME		22.0	23.6	
			LE		20.0	42.9			ScS	03 19 12.0	2.4		
BTO	41.5	341	+iP	03 07 50.0	-0.5				LN	Ms=7.1	18.0	91.8	
			PMZ	m _B =6.3	8.0	3.90			LE		17.0	46.7	
			pP	03 08 03.0	0.0			KSH	59.3	316	P	03 10 06.0	0.4
			PP	03 09 28.0	-1.8				iS	03 18 10.0	1.4		
			PPMZ			8.0	3.60		iScS	03 19 53.0	7.0		
			S	03 13 59.0	-2.2				LE	Ms=7.2	25.0	132	
			SS	03 16 59.0	-4.0								
			LN	Ms=7.0	25.0	173							
			LZ	Ms=7.1	25.0	206							
CN2	42.0	359	+iP	03 07 53.0	-0.9								
			PMZ	m _B =6.8	9.0	13.9							
			pP	03 08 07.0	0.4								

1985 4 13
 O = 05 19 33.6 ± 0.12s
 LAT = 1.58 N ± 2.10km
 LONG = 126:30 E ± 3.56km
 DEPTH = 33 km ± 0.13km

STATIONS USED = 16, STAND DEV = 1.69s

QZN	23.7	318	P	05 24 47.0	3.5
GYA	31.1	324	eP	05 25 52.2	0.3
CD2	36.1	326	eP	05 26 35.4	0.2
XAN	36.2	335	eP	05 26 34.6	-0.7
DL2	37.4	354	eP	05 26 46.0	0.4
BJI	39.4	348	eP	05 27 04.5	2.3
LZH	40.2	331	eP	05 27 08.5	-0.3
GTA	44.7	331	P	05 27 46.2	0.0

1985 4 13

O = 11 09 28.3 ± 0.06s

LAT = 1.76 N ± 1.04km

LONG = 126.50 E ± 1.73km

DEPTH = 33 km ± 0.02km

STATIONS USED = 25, STAND DEV = 1.18s

QZN	23.7	318	P	11 14 41.4	3.3
GYA	31.1	324	eP	11 15 46.4	0.1
XAN	36.1	335	P	11 16 29.0	-0.3
CD2	36.1	326	eP	11 16 29.0	-0.6
DL2	37.2	354	eP	11 16 39.5	0.5
BJI	39.2	347	eP	11 16 56.5	0.8
MDJ	42.8	3	eP	11 17 25.0	0.2
GTA	44.7	330	P	11 17 40.6	0.2
WMQ	54.2	326	P	11 18 54.7	1.1

1985 4 14

O = 01 12 51.4 ± 0.04s

LAT = 37.53 N ± 0.29km

LONG = 102.73 E ± 0.39km

DEPTH = 9 km ± 0.02km

STATIONS USED = 5, STAND DEV = 1.50s

$M_L = 3.2 / 4,$

LZH	1.7	148	+Pg	01 13 20.5	-1.1
			Sg	01 13 39.5	-5.1
			SMN	$M_L = 3.2$	1.0 0.31
			SME		1.5 0.22
XAN	6.1	123	ePg	01 14 40.3	0.7

1985 4 14

O = 06 58 07.5 ± 0.08s

LAT = 18.75 N ± 1.22km

LONG = 145.73 E ± 1.75km

DEPTH = 214 km ± 0.30km

STATIONS USED = 84, STAND DEV = 1.39s

$m_B = 5.3 / 7$

SSE	25.4	304	eP	07 03 16.6	-0.3
			pP	07 03 56.5	-1.7
			sP	07 04 21.5	-2.0
			ePcP	07 06 40.0	-3.6

			S	07 07 28.0	3.1
			sS	07 08 43.0	4.9
			SS	07 08 56.0	3.1
QZH	25.9	289	eP	07 03 21.0	-0.9
			pP	07 04 00.0	-3.5
			S	07 07 31.0	-2.7
			SME	$m_B = 5.1$	7.0 1.00
			sS	07 08 44.0	-4.3
			LE		12.0 1.84
NJ2	27.6	304	eP	07 03 41.0	4.0
			pP	07 04 17.5	-1.8
			sP	07 04 44.5	0.3
DL2	29.0	319	eP	07 03 51.0	1.3
			pP	07 04 30.0	-2.3
			eS	07 08 28.0	4.0
			sS	07 09 39.8	0.1
			LN		13.0 0.46
			LE		14.0 1.01
MDJ	29.1	336	eP	07 03 51.0	0.3
			PMZ	$m_B = 5.8$	5.0 1.19
			pP	07 04 31.0	-2.4
			sP	07 04 54.0	-4.3
			S	07 08 32.0	7.0
			SME	$m_B = 5.4$	9.0 2.43
			sS	07 09 41.0	-0.6
SNY	29.8	325	eP	07 03 54.0	-2.4
			pP	07 04 40.8	1.5
			eS	07 08 34.0	-1.9
			sS	07 09 58.5	6.5
			LE		15.0 1.62
CN2	30.2	330	-P	07 03 58.4	-2.3
			pP	07 04 40.5	-3.2
			sP	07 05 07.0	-1.4
			PcP	07 06 53.2	-2.2
			S	07 08 41.0	-1.8
GZH	30.5	284	+P	07 04 04.0	0.8
			sP	07 05 08.0	-3.0
			S	07 08 49.0	1.7
			SME	$m_B = 5.1$	11.0 1.24
			SS	07 10 48.0	1.0
			LN		13.0 1.00
			LE		14.0 1.89
WHN	30.7	298	eP	07 04 05.0	-0.1
			ipP	07 04 47.5	-0.7
			sP	07 05 14.6	1.7
			eS	07 08 54.0	2.5
			ScP	07 10 23.0	5.4
			LN		12.0 2.32
BJI	33.1	316	eP	07 04 25.5	-0.1
			pP	07 05 10.0	0.7

QZN	33.9	276	eP	07 04 33.6	1.1		
			ePP	07 05 56.0	2.9		
			eS	07 09 38.0	-2.9		
XAN	36.1	302	eP	07 04 50.0	-1.0		
			pP	07 05 33.0	-2.2		
			sP	07 05 54.0	-5.4		
			eS	07 10 12.0	-2.4		
			sS	07 11 24.0	-7.8		
			LN			13.0	2.12
			LE			14.0	1.16
HHC	36.6	314	eP	07 04 54.8	-0.4		
			pP	07 05 37.0	-2.4		
GYA	36.8	289	+P	07 04 57.0	0.4		
			pP	07 05 39.0	-1.9		
			sP	07 06 04.0	-1.1		
			PcP	07 07 14.8	1.0		
			S	07 10 24.0	0.5		
			sS	07 11 42.0	-0.1		
			LN			13.0	1.30
CD2	39.8	296	eP	07 05 21.4	0.0		
			pP	07 06 03.0	-3.1		
			S	07 11 06.5	-1.8		
			LN			12.0	2.70
KMI	40.3	287	eP	07 05 26.0	0.4		
			pP	07 06 09.5	-0.8		
			S	07 11 18.0	2.3		
			SME	$m_B = 5.3$		8.0	0.57
			sS	07 12 35.0	-0.4		
			SS	07 14 23.0	6.0		
			LN			11.0	1.44
LZH	40.6	304	eP	07 05 29.0	0.2		
			pP	07 06 12.0	-1.6		
			eS	07 11 27.0	4.2		
			LE			13.0	1.10
GTA	44.5	307	P	07 06 00.0	-0.2		
			pP	07 06 44.2	-1.3		
			sP	07 07 07.5	-2.0		
			sS	07 13 35.7	-3.5		
			LN			14.0	1.63
LSA	50.6	293	P	07 06 48.1	1.1		
			pP	07 07 32.0	-1.2		
			S	07 13 41.5	-0.8		
			SMN	$m_B = 5.3$		10.0	0.44
			sS	07 15 05.5	0.4		
WMQ	54.3	311	P	07 07 13.0	-1.3		
			pP	07 08 00.5	-0.9		
			S	07 14 31.5	-1.4		
			sS	07 15 58.0	1.3		
			LN			20.0	1.67

1985 4 14
 O = 17 03 11.6 ± 0.11s
 LAT = 13.58 N ± 1.43km
 LONG = 145.60 E ± 0.59km
 DEPTH = 56 km ± 0.92km
 STATIONS USED = 28, STAND DEV = 1.09s

DL2	32.9	324	eP	17 09 43.5	0.1
MDJ	33.8	339	eP	17 09 51.0	0.1
CN2	34.7	334	eP	17 09 57.6	-1.1
BJI	36.9	321	eP	17 10 17.0	-0.1
XAN	39.0	308	eP	17 10 35.0	0.6
HHC	40.2	319	eP	17 10 46.0	0.8
GTA	47.7	311	eP	17 11 46.8	1.4

1985 4 15
 O = 04 07 46.4 ± 0.05s
 LAT = 55.32 N ± 1.80km
 LONG = 156.64 W ± 0.88km
 DEPTH = 32 km ± 0.39km
 STATIONS USED = 63, STAND DEV = 1.01s

MDJ	46.5	289	eP	04 16 12.5	-0.5
CN2	49.3	291	+iP	04 16 34.2	-0.4
			pP	04 16 42.0	-1.8
			eS	04 23 35.0	-2.8
			LE	$M_s = 4.5$	20.0 0.30
SNY	51.6	290	eP	04 16 52.8	0.3
DL2	54.7	289	eP	04 17 15.5	-0.2
BJI	56.8	294	eP	04 17 31.5	0.8
HHC	58.6	297	+P	04 17 44.0	0.6
TIA	59.1	290	eP	04 17 46.0	-1.0
BTO	59.6	298	eP	04 17 50.3	0.2
SSE	60.8	283	+P	04 17 58.0	-0.1
NJ2	61.3	286	+P	04 18 01.2	-0.8
WHN	65.0	288	P	04 18 25.5	-0.4
XAN	65.1	294	+P	04 18 27.1	-0.1
GTA	65.5	304	+iP	04 18 29.3	-0.1
LZH	66.1	299	eP	04 18 33.0	-0.7
WMQ	67.2	315	iP	04 18 41.0	0.4
CD2	70.3	296	P	04 19 00.2	0.8
			PMZ		1.0 0.10
GYA	72.3	291	P	04 19 12.2	0.6
			pP	04 19 20.0	-0.8
KMI	75.5	293	eP	04 19 30.0	-0.2
KSH	75.5	321	eP	04 19 29.0	-1.2

1985 4 15
 O = 04 41 50.8 ± 0.14s
 LAT = 33.39 S ± 2.18km
 LONG = 72.11 W ± 1.94km

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DEPTH = 36 km ± 0.91km
 STATIONS USED = 29, STAND DEV = 1.54s
 Ms = 5.6 / 3,

MDJ	159.8	310	ePKP	05 01 42.0	-4.9		
WMQ	161.1	51	ePKP	05 01 48.3	0.0		
			PKP ₂	05 02 32.3			
			PP	05 06 18.0	0.9		
			LZ	Ms = 5.6	22.0	0.77	
SSE	168.5	262	ePKP	05 01 54.0	-0.6		
			PP	05 07 00.0	5.1		
			SKKS	05 13 38.0			
			eSS	05 27 44.0	2.9		
			LZ	Ms = 5.7	20.0	0.93	
KMI	170.6	150	ePKP	05 01 56.5	0.4		
			sPKP	05 02 12.0			
			LZ	Ms = 5.4	25.0	0.65	
GTA	171.1	45	PKP	05 01 57.5	1.2		
TIA	171.9	293	PKP	05 01 57.0	0.4		
GYA	173.0	171	ePKP	05 01 57.6	0.3		
XAN	178.9	307	PKP	05 01 59.0	0.4		

1985 4 15
 O = 10 17 46.3 ± 0.05s
 LAT = 25.42 N ± 0.50km
 LONG = 100.22 E ± 0.41km
 DEPTH = 10 km ± 0.60km
 STATIONS USED = 5, STAND DEV = 2.33s
 M_L = 3.3 / 4,

KMI	2.3	97	+Pg	10 18 27.0	-0.2		
			Sg	10 18 57.0	-1.4		
			SMN	M _L = 3.3	0.7	0.22	
			SME		1.0	0.17	

1985 4 15
 O = 11 24 00.3 ± 0.08s
 LAT = 30.31 N ± 1.33km
 LONG = 66.32 E ± 1.07km
 DEPTH = 33 km ± 0.04km
 STATIONS USED = 56, STAND DEV = 1.40s
 Ms = 4.5 / 7,

KSH	12.1	38	eP	11 26 53.0	-0.5		
			eS	11 29 11.0	2.7		
			LN	Ms = 5.3	7.0	6.40	
WMQ	21.7	46	P	11 28 51.5	1.1		
			PMZ		1.5	0.23	
			eS	11 32 50.0	6.3		
			LZ	Ms = 4.4	18.0	0.87	
GTA	28.8	63	P	11 29 59.2	1.1		
			LE	Ms = 4.4	8.0	0.25	
LZH	31.8	69	eP	11 30 24.5	-0.1		

CD2	32.1	79	P	11 30 28.0	0.6		
KMI	32.6	90	+P	11 30 31.0	-0.4		
GYA	35.6	86	eP	11 30 59.0	1.8		
XAN	36.1	73	-P	11 31 01.3	0.0		
BTO	36.7	62	eP	11 31 07.5	0.7		
WHN	41.2	77	eP	11 31 39.0	-4.7		
BJI	41.4	62	eP	11 31 48.0	2.1		
TIA	42.5	68	eP	11 31 54.5	-0.2		
			LN	Ms = 4.6	32.0	0.83	
NJ2	44.6	74	eP	11 32 12.5	0.7		
			LZ	Ms = 4.5	18.0	0.30	
DL2	45.7	64	eP	11 32 20.5	-0.2		
SNY	46.9	59	eP	11 32 29.8	-0.2		
CN2	48.1	57	eP	11 32 38.8	-0.7		
MDJ	51.0	55	eP	11 32 59.5	-2.2		

1985 4 15
 O = 12 25 03.7 ± 0.06s
 LAT = 37.41 N ± 1.04km
 LONG = 71.83 E ± 1.00km
 DEPTH = 138 km ± 0.41km
 STATIONS USED = 26, STAND DEV = 1.47s
 M_L = 4.5 / 2,

KSH	3.8	57	eP	12 26 05.0	2.2		
			S	12 26 51.0	3.5		
WMQ	13.6	57	eP	12 28 14.5	1.9		
			S	12 30 39.5	-1.1		
LSA	17.8	110	P	12 29 04.0	-0.9		
GTA	22.0	76	-iP	12 29 50.6	2.9		
XAN	30.2	85	eP	12 31 02.4	-1.0		
GYA	31.4	100	P	12 31 13.0	-0.8		

1985 4 15
 O = 18 09 07.1 ± 0.10s
 LAT = 35.05 N ± 1.05km
 LONG = 103.96 E ± 1.23km
 DEPTH = 9 km ± 0.04km
 STATIONS USED = 16, STAND DEV = 2.50s
 M_L = 3.6 / 7,

LZH	1.0	355	-Pg	18 09 22.5	-3.2		
			S11	18 09 42.5	-2.4		
			SMN	M _L = 3.6	1.5	1.05	
			SME		1.0	1.53	
CD2	4.1	182	Pg	18 10 23.6	3.3		
XAN	4.2	102	Pn	18 10 13.8	1.8		
			Pg	18 10 26.0	4.4		
			Sn	18 11 04.6	1.2		
			Sg	18 11 27.0	7.8		
			SMN	M _L = 3.4	0.8	0.080	
			SME		0.8	0.060	

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GTA	5.5	324	Pn	18 10 30.4	1.1
CN2	18.7	56	P	18 13 30.6	2.2

GYA	29.3	320	P	17 13 26.4	-0.3
KMI	31.2	313	eP	17 13 42.5	-0.5
TIA	32.8	345	eP	17 13 55.6	-1.1
XAN	33.9	332	P	17 14 05.6	-0.6

1985 4 16
 O=02 03 29.6 ± 0.11s
 LAT=39.45 N ± 1.47km
 LONG=99.00 E ± 1.02km
 DEPTH=12 km ± 0.30km
 STATIONS USED = 10, STAND DEV = 3.53s

LZH	5.1	130	ePg	02 04 56.0	-4.0
			SMN	M _L =3.8	1.5 0.12
			SME		1.5 0.11
BTO	8.5	79	eP	02 05 35.5	-0.8

			pP	17 14 28.5	-3.4
			eS	17 19 20.0	-1.2
CD2	34.3	322	P	17 14 09.4	-0.2
			PMZ		1.0 0.10
			S	17 19 26.7	0.4

1985 4 16
 O=12 30 55.4 ± 0.06s
 LAT=24.40 S ± 1.04km
 LONG=179.83 E ± 0.69km
 DEPTH=510 km ± 0.94km
 STATIONS USED = 27, STAND DEV = 0.93s

MDJ	82.6	326	eP	12 42 26.5	0.2
WHN	83.2	308	+P	12 42 30.2	0.9
CN2	84.2	324	P	12 42 33.5	-0.8
TIA	84.5	314	P	12 42 35.9	0.3
TIY	88.4	313	eP	12 42 55.2	0.6
XAN	88.9	308	eP	12 42 57.2	0.3
CD2	91.2	303	P	12 43 09.4	1.9

DL2	34.5	352	eP	17 14 10.4	-0.8
TIY	35.6	339	eP	17 14 21.0	0.1
BJI	36.6	346	eP	17 14 29.5	0.0
SNY	37.1	355	eP	17 14 33.3	-0.6
LZH	38.0	328	+P	17 14 42.5	1.2
			PMZ		1.5 0.090

HHC	38.7	341	+P	17 14 48.0	1.0
CN2	39.0	358	P	17 14 48.0	-1.3
BTO	39.0	339	eP	17 14 49.7	0.1
MDJ	39.8	3	eP	17 14 55.0	-1.2
LSA	42.3	310	P	17 15 17.8	1.0
GTA	42.6	328	P	17 15 20.0	0.8
			PcP	17 17 10.4	1.3
			ScP	17 20 50.4	2.9
			S	17 21 34.1	2.1
			ScS	17 25 08.9	3.9
KSH	57.8	314	eP	17 17 15.5	1.1

1985 4 16
 O=17 07 32.5 ± 0.06s
 LAT=4.67 N ± 0.89km
 LONG=127.34 E ± 1.30km
 DEPTH=118 km ± 0.24km
 STATIONS USED = 84, STAND DEV = 1.03s

				m _B =5.1 / 2	
QZH	21.8	338	+P	17 12 17.5	0.9
QZN	22.3	311	+P	17 12 21.2	0.5
			eS	17 16 16.0	2.9
			sS	17 17 00.0	6.6
GZH	22.8	325	+iP	17 12 25.4	-0.1
			eS	17 16 14.0	-7.9
			SMN	m _B =5.3	7.0 0.47
SSE	26.9	348	eP	17 13 07.0	2.2
			epP	17 13 31.0	1.2
			esP	17 13 44.0	0.0
			eS	17 17 36.0	4.6
			esS	17 18 17.0	1.7
WHN	28.5	336	P	17 13 20.0	0.9
			pP	17 13 43.5	-0.7

1985 4 16
 O=19 14 34.3 ± 0.11s
 LAT=35.56 N ± 1.08km
 LONG=87.29 E ± 1.29km
 DEPTH=33 km ± 0.06km
 STATIONS USED = 24, STAND DEV = 2.61s
 M_s=4.5 / 7,

LSA	6.7	150	ePn	19 16 16.5	5.4
			LN	M _s =4.4	9.0 2.76
WMQ	8.3	2	eP	19 16 33.6	-1.3
			SMN		2.5 0.21
KSH	9.8	297	eP	19 16 55.0	-1.1
			LE	M _s =4.9	7.0 4.40
GTA	10.7	65	eP	19 17 06.8	-1.5
			LN	M _s =4.5	12.0 2.57
CD2	14.5	104	eP	19 18 01.4	1.6
KMI	16.9	124	eP	19 18 30.5	0.3
XAN	17.8	89	eP	19 18 40.2	-1.6
			LN	M _s =4.3	10.0 0.52
GYA	18.9	113	P	19 18 54.0	-1.0
TIY	20.3	76	eP	19 19 11.9	1.7
			S	19 22 58.0	7.5
			LN	M _s =4.5	11.0 0.78

WHN	23.2	95	eP	19 19 42.0	2.6		
1985 4 16							
O=	20 22 44.0			± 0.09s			
LAT=	42.14 N			± 1.37km			
LONG=	82.30 E			± 1.16km			
DEPTH=	22 km			± 0.28km			
STATIONS USED = 25, STAND DEV = 2.51s							
M _L = 4.1 / 6,							
WMQ	4.3	65	ePn	20 23 51.6	2.9		
			Sg	20 24 58.4	-0.4		
KSH	5.5	243	ePn	20 24 08.0	2.8		
GTA	13.6	96	eP	20 25 54.0	-3.9		
			SMN			1.0	0.020
			SME			1.0	0.020
CD2	20.5	116	eP	20 27 26.9	3.2		
HHC	21.9	84	eP	20 27 37.0	-1.1		
XAN	22.4	102	eP	20 27 41.0	-1.8		
TIY	23.5	91	eP	20 27 53.2	-0.1		
GYA	25.4	120	P	20 28 13.4	1.7		

1985 4 16							
O=	20 32 26.1			± 0.17s			
LAT=	27.87 N			± 2.32km			
LONG=	129.71 E			± 2.30km			
DEPTH=	52 km			± 2.53km			
STATIONS USED = 18, STAND DEV = 3.03s							
M _s = 3.6 / 4,							
SSE	8.1	295	eP	20 34 21.0	-2.8		
			LZ			M _s = 3.6	16.0 0.63
NJ2	10.3	297	eP	20 34 51.5	-2.5		
			LE			M _s = 3.7	11.0 0.40
			LZ			M _s = 3.5	18.0 0.40
CN2	16.3	349	eP	20 36 13.0	0.2		
BJI	16.5	321	P	20 36 17.0	1.1		
TIY	17.5	308	eP	20 36 30.7	2.3		
XAN	18.8	294	eP	20 36 41.1	-3.6		
GYA	20.6	271	eP	20 37 03.0	-0.2		
CD2	22.8	284	eP	20 37 24.8	-0.8		
KMI	24.3	270	eP	20 37 40.0	-0.1		

1985 4 16							
O=	22 05 48.4			± 0.10s			
LAT=	31.30 S			± 1.35km			
LONG=	179.61 E			± 1.59km			
DEPTH=	444 km			± 0.62km			
STATIONS USED = 45, STAND DEV = 1.14s							
m _B = 5.3 / 1							
SSE	83.2	313	P	22 17 27.6	-0.9		
GZH	83.4	302	P	22 17 30.5	1.1		

NJ2	85.3	312	eP	22 17 38.6	-0.4		
WHN	87.3	308	eP	22 17 48.0	-0.4		
MDJ	88.2	327	eP	22 17 52.0	-1.0		
DL2	88.2	319	+P	22 17 53.0	0.0		
TIA	89.1	314	P	22 17 57.4	0.3		
SNY	89.2	322	eP	22 17 57.0	-0.5		
CN2	89.6	324	-P	22 17 58.4	-1.1		
GYA	90.2	301	P	22 18 03.0	0.6		
BJI	92.1	317	eP	22 18 12.5	1.4		
			S	22 28 39.0	7.0		
			SMN			m _B = 5.3	7.0 0.28
			SME				8.0 0.25
TIY	93.0	313	eP	22 18 16.0	1.0		
XAN	93.0	308	eP	22 18 15.8	0.5		

1985 4 16							
O=	22 38 43.9			± 0.07s			
LAT=	3.32 S			± 1.03km			
LONG=	143.52 E			± 1.23km			
DEPTH=	24 km			± 0.10km			
STATIONS USED = 82, STAND DEV = 1.03s							
M _s = 4.8 / 10, m _B = 5.5 / 8							
GZH	39.4	313	+eP	22 46 15.8	1.5		
QZN	39.9	305	eP	22 46 18.4	0.4		
			eS	22 52 17.0	-4.6		
			LN			M _s = 4.9	9.0 0.50
SSE	40.3	330	+P	22 46 21.0	-0.5		
			PMZ				1.0 0.060
			esP	22 46 36.0	3.4		
			ePP	22 47 56.0	-2.0		
			ePcS	22 52 14.0	0.0		
			eS	22 52 26.0	-1.8		
			SS	22 55 20.0	0.0		
NJ2	42.3	328	+P	22 46 38.0	0.4		
			PMZ			m _B = 4.9	7.0 0.15
			S	22 52 58.5	2.6		
			SME			m _B = 5.1	10.0 0.30
			LZ			M _s = 4.5	16.0 0.30
WHN	43.7	323	-P	22 46 51.5	2.2		
GYA	46.3	312	+P	22 47 12.0	1.6		
			S	22 54 02.0	7.5		
			SME			m _B = 5.6	8.0 0.70
TIA	46.4	330	eP	22 47 10.6	-0.5		
			ePP	22 48 57.0	-2.4		
			S	22 54 00.0	4.1		
			SS	22 57 14.0	-0.5		
			LN			M _s = 4.8	14.0 0.51
DL2	46.6	336	eP	22 47 10.0	-2.6		
			eS	22 53 55.0	-4.8		
			LN			M _s = 5.0	12.0 0.67



SNY	48.5	340	+iP	22 47 26.0	-1.0		
			PMZ		$m_B = 5.7$	7.0	0.70
			cPP	22 49 14.0	-4.6		
			S	22 54 28.0	3.2		
			LE		$M_s = 4.9$	22.0	0.80
KMI	48.6	308	+P	22 47 30.0	1.4		
MDJ	49.3	347	cP	22 47 32.5	-1.2		
XAN	49.4	322	+P	22 47 33.6	-1.0		
			S	22 54 35.0	-3.4		
CN2	49.6	343	-P	22 47 36.2	0.0		
			PMZ		$m_B = 5.7$	5.0	0.50
			PcP	22 48 56.8	-0.1		
			cS	22 54 39.0	-3.4		
			LN		$M_s = 4.9$	12.0	0.50
BJI	49.9	333	cP	22 47 38.5	0.3		
			PMZ		$m_B = 5.2$	7.5	0.26
			S	22 54 41.0	-4.1		
TIY	50.0	328	cP	22 47 38.9	0.0		
CD2	50.9	315	cP	22 47 46.2	0.1		
			PMZ			1.0	0.10
			cS	22 55 01.0	0.6		
			LZ		$M_s = 5.0$	20.0	1.00
HHC	52.8	330	P	22 48 00.5	0.6		
BTO	53.4	328	iP	22 48 04.6	0.1		
			eS	22 55 34.0	0.1		
LZH	53.9	320	cP	22 48 07.0	-1.7		
			PMZ			2.0	0.23
GTA	58.5	321	+P	22 48 41.5	0.2		
			PcP	22 49 32.9	2.4		
LSA	59.9	307	eP	22 48 51.8	0.6		
WMQ	68.5	320	P	22 49 46.6	-0.7		
			PcP	22 50 13.5	2.0		
KSH	75.0	312	cP	22 50 28.0	1.9		
			eS	23 00 10.0	8.2		
1985 4 17							
O = 00 27 36.5 ± 0.09s							
LAT = 40.08 N ± 1.31km							
LONG = 142.48 E ± 1.18km							
DEPTH = 50 km ± 1.12km							
STATIONS USED = 76, STAND DEV = 1.58s							
$M_s = 3.9 / 3,$							
MDJ	10.6	300	eP	00 30 09.4	1.4		
			PP	00 30 18.0	1.7		
			sP	00 30 22.0	-1.3		
			eS	00 32 05.0	0.0		
			SS	00 32 16.0	-2.9		
			LE		$M_s = 3.9$	14.0	0.77
CN2	13.2	292	+P	00 30 46.4	2.7		
			pP	00 30 54.0	1.5		

			LE		$M_s = 3.9$	15.0	0.50
SNY	14.4	283	-P	00 31 01.8	2.7		
DL2	16.1	273	cP	00 31 23.0	1.4		
SSE	19.5	249	-P	00 32 02.6	0.6		
			PMZ			1.0	0.040
			cpP	00 32 10.2	-2.1		
BJI	20.1	278	cP	00 32 07.5	-1.5		
GIA	20.3	267	-P	00 32 09.2	-1.7		
NJ2	20.7	255	+P	00 32 14.3	-0.5		
			LZ		$M_s = 4.0$	16.0	0.30
TIY	23.5	274	cP	00 32 42.9	0.3		
BTO	24.7	282	cP	00 32 54.8	0.3		
WHN	24.8	256	P	00 32 56.0	0.9		
XAN	27.3	268	cP	00 33 17.0	-2.2		
GZH	29.9	244	cP	00 33 43.0	1.2		
GTA	32.6	283	P	00 34 05.8	-0.1		
			PcP	00 36 52.4	2.0		
CD2	32.6	266	P	00 34 05.0	-1.0		
GYA	32.7	256	+P	00 34 06.0	-0.4		
			S	00 39 16.0	-0.6		
KMI	36.3	258	cP	00 34 38.5	0.4		
WMQ	40.3	294	P	00 35 11.6	0.6		
LSA	42.8	272	P	00 35 35.7	3.4		
1985 4 17							
O = 01 58 13.9 ± 0.13s							
LAT = 24.00 N ± 1.82km							
LONG = 96.02 E ± 1.53km							
DEPTH = 33 km ± 0.15km							
STATIONS USED = 69, STAND DEV = 2.32s							
$M_s = 4.6 / 28, M_L = 4.5 / 1, m_B = 4.9 / 1$							
KMI	6.2	78	ePn	01 59 49.0	4.8		
			Pg	02 00 11.0	7.1		
			Sn	02 00 52.0	-3.8		
			SMN			2.5	1.40
			SME			2.0	0.80
LSA	7.1	324	Pn	02 00 01.7	4.6		
			Sn	02 01 13.5	-5.1		
CD2	9.7	43	cP	02 00 36.6	1.9		
			eS	02 02 26.5	2.4		
			LE		$M_s = 4.6$	10.0	2.60
GYA	9.9	74	P	02 00 37.0	-0.9		
			S	02 02 33.0	3.8		
			LN		$M_s = 4.5$	9.0	1.80
			LE			9.0	1.00
QZN	13.8	108	cP	02 01 24.8	-4.7		
			eS	02 03 58.0	-4.6		
			LN		$M_s = 4.8$	15.0	3.10
			LE			14.0	1.60
LZH	13.8	28	cP	02 01 29.0	-1.0		

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			LE		Ms=4.4	13.0	1.18			1985 4 17				
XAN	15.1	46	eP	02 01 43.4	-3.0					O=02 09 34.2	± 0.06s			
			LN		Ms=4.7	12.0	1.80			LAT= 1.87 N	± 0.84km			
			LE			12.0	1.03			LONG=126.56 E	± 1.33km			
GTA	15.7	11	P	02 01 59.1	4.5					DEPTH= 33 km	± 0.18km			
			LE		Ms=4.5	11.0	1.22			STATIONS USED = 48,	STAND DEV = 1.05s			
GZH	15.9	90	eP	02 02 04.0	6.7				QZN	23.6	317	eP	02 14 45.6	2.0
			LN		Ms=5.1	12.0	4.43		GZH	24.7	330	eP	02 14 54.0	0.4
WHN	17.5	64	P	02 02 17.5	-0.2				SSE	29.5	351	eP	02 15 39.0	1.1
			sP	02 02 25.0	-4.9				GYA	31.0	324	P	02 15 50.8	-0.8
			LG ₂	02 07 55.0	2.2				TIA	35.3	347	eP	02 16 28.0	-0.2
			LN		Ms=4.4	13.0	0.87		XAN	36.0	335	+P	02 16 33.4	-1.1
BTO	20.3	32	P	02 02 49.5	-0.6				CD2	36.1	326	P	02 16 34.4	-0.5
			eS	02 06 29.0	-2.5				DL2	37.1	354	eP	02 16 44.0	0.1
			LN		Ms=4.9	12.0	1.80		TIY	38.0	342	eP	02 16 50.6	-0.4
			LE			12.0	0.70		SNY	39.9	357	eP	02 17 07.2	0.5
			LZ		Ms=4.8	12.0	1.60		LZH	40.0	331	eP	02 17 08.5	0.3
WMQ	20.9	343	+iP	02 02 57.0	0.5							PMZ		2.0 0.090
			PP	02 03 16.5	-2.2				CN2	41.8	359	eP	02 17 22.0	-0.4
HHC	21.3	34	eP	02 02 57.8	-2.2				MDJ	42.6	3	eP	02 17 30.2	0.5
			S	02 06 45.0	-3.8				GTA	44.6	330	P	02 17 45.2	-0.5
			LN		Ms=4.6	12.0	0.88		WMQ	54.1	326	eP	02 18 57.5	-1.6
			LE			13.0	0.42							
NJ2	21.7	63	eP	02 03 05.0	1.1					1985 4 17				
			eS	02 07 00.0	2.9					O=15 53 27.9	± 0.09s			
			LE		Ms=4.6	8.0	0.60			LAT=42.31 N	± 0.92km			
			LZ		Ms=4.4	13.0	0.60			LONG= 82.24 E	± 0.91km			
TIA	21.9	51	-P	02 03 06.2	0.1					DEPTH= 5 km	± 0.56km			
			LN		Ms=4.6	13.0	0.58			STATIONS USED = 5,	STAND DEV = 2.53s			
			LE			13.0	0.87					M _L =3.1/ 5,		
			LZ		Ms=4.7	13.0	1.37		WMQ	4.3	67	Pg	15 54 44.8	1.3
KSH	22.9	317	eP	02 03 19.0	2.7							Sg	15 55 42.5	0.8
			LE		Ms=4.4	8.0	0.39					SME	M _L =2.9	0.6 0.020
BJI	23.3	42	eP	02 03 22.5	2.2					1985 4 17				
			eS	02 07 34.0	6.9					O=16 04 27.5	± 0.05s			
			SME		m _B =4.9	10.0	0.33			LAT=18.34 N	± 0.55km			
			LN		Ms=4.2	13.0	0.39			LONG=145.49 E	± 0.81km			
SSE	23.4	67	eP	02 03 20.6	-0.2					DEPTH=453 km	± 0.50km			
			sS	02 07 44.0	1.5					STATIONS USED = 20,	STAND DEV = 0.66s			
			LN		Ms=4.7	16.0	1.45		MDJ	29.4	336	eP	16 09 54.2	0.0
DL2	26.3	50	eP	02 03 45.0	-3.8				CN2	30.5	331	eP	16 10 03.6	-0.1
SNY	29.0	46	-P	02 04 12.8	-0.3				XAN	36.1	303	eP	16 10 51.0	-0.5
			eS	02 09 04.0	3.1				GYA	36.7	290	P	16 10 57.6	1.4
			LN		Ms=4.5	16.0	0.35		CD2	39.7	296	eP	16 11 21.2	0.1
			LE			16.0	0.47		GTA	44.6	308	P	16 12 00.0	-0.1
CN2	31.2	43	eP	02 04 30.8	-1.6					1985 4 18				
			eS	02 09 33.0	-2.2					O=00 06 31.8	± 0.07s			
			LN		Ms=4.6	12.0	0.50			LAT=52.26 N	± 1.56km			
MDJ	34.2	45	eP	02 04 58.0	-0.7									



LONG = 159.53 E ± 1.02km				LN Ms = 5.8 14.0 1.60				
DEPTH = 33 km ± 0.06km				LE 14.0 8.00				
STATIONS USED = 95, STAND DEV = 0.90s				LZ Ms = 6.0 14.0 10.7				
Ms = 5.8 / 45, m _B = 5.9 / 11				NJ2 35.7 252 +iP 00 13 29.0 -0.2				
MDJ	21.2	261	eP	00 11 14.4	-2.3			PMZ m _B = 5.8 4.0 0.70
			SMN		m _B = 5.6	5.0	1.02	S 00 19 01.0 -1.1
			sS	00 15 16.0	-3.4			LN Ms = 5.7 18.0 8.00
			LZ		Ms = 5.8	18.0	22.2	LZ Ms = 5.5 19.0 4.70
CN2	24.1	263	+P	00 11 44.0	-1.9			TIY 35.7 265 P 00 13 29.0 -0.4
			PMZ		m _B = 5.6	4.0	0.90	PP 00 14 55.0 5.2
			pP	00 11 57.0	2.2			S 00 19 02.5 0.3
			SMN		m _B = 5.7	7.0	1.20	LN Ms = 5.8 14.0 6.74
			SME			7.0	0.80	WHN 39.4 255 +P 00 14 00.0 -0.5
			sS	00 16 06.0	-7.5			PMZ m _B = 6.0 4.0 1.05
			LN		Ms = 5.6	15.0	9.50	eS 00 19 52.0 -8.1
SNY	26.4	261	+iP	00 12 06.5	-0.7			sS 00 20 19.0 3.4
			PMZ		m _B = 5.9	4.5	1.36	LN Ms = 5.6 17.0 5.14
			pP	00 12 20.0	3.9			XAN 40.2 263 +P 00 14 06.6 -0.9
			S	00 16 31.0	-4.5			eS 00 20 12.0 -0.6
			sS	00 16 48.0	-3.4			LN Ms = 6.0 19.0 9.43
			ScS	00 23 02.8	5.8			LE 20.0 9.21
			LN		Ms = 5.6	15.0	8.72	QZH 41.2 245 +P 00 14 14.0 -1.5
DL2	29.3	258	eP	00 12 32.0	-1.9			PMZ m _B = 6.1 4.0 1.29
			sP	00 12 52.0	4.8			S 00 20 19.0 -7.0
			PP	00 13 23.0	-6.0			LN Ms = 5.5 13.0 0.83
			LN		Ms = 5.6	15.0	7.74	LE 13.0 2.80
BJI	31.9	265	eP	00 12 57.0	-0.1			LZH 42.0 270 +iP 00 14 22.5 0.4
			eS	00 17 59.0	-6.2			PMZ 2.0 0.28
			SMN			14.0	1.37	eS 00 20 35.0 -3.9
			LN		Ms = 6.0	16.0	9.65	eScS 00 24 21.0 2.1
			LE			17.0	11.9	LN Ms = 5.9 20.0 7.42
			LZ		Ms = 5.9	20.0	16.8	LE 19.0 6.60
TIA	33.8	259	eP	00 13 12.6	-0.6			GTA 42.4 277 +iP 00 14 25.5 0.4
			eS	00 18 42.0	7.9			ScS 00 24 25.3 4.1
			LN		Ms = 6.0	17.0	7.55	LE Ms = 6.0 12.0 7.60
			LE			17.0	11.8	CD2 45.5 265 eP 00 14 51.5 0.8
			LZ		Ms = 5.7	14.5	6.52	eS 00 21 25.0 -5.3
HHC	34.3	270	eP	00 13 16.2	-1.4			ScS 00 24 41.5 0.4
			S	00 18 33.0	-7.9			LE Ms = 6.0 14.0 7.10
			LN		Ms = 5.7	12.0	2.85	GZH 45.6 248 +P 00 14 52.0 0.8
			LE			12.0	4.90	PMZ m _B = 6.0 5.0 1.15
SSE	35.0	248	+P	00 13 24.0	0.3			eS 00 21 34.0 2.8
			eS	00 18 45.0	-8.0			LN Ms = 5.6 20.0 3.37
			sS	00 19 10.0	1.6			LE 20.0 2.95
			LN		Ms = 5.6	14.0	1.79	WMQ 46.9 290 +iP 00 15 01.8 0.2
			LE			14.0	4.01	PcP 00 16 35.0 1.4
			LZ		Ms = 5.5	14.0	3.41	PcS 00 20 29.0 1.8
BTO	35.4	271	+P	00 13 27.0	0.0			eS 00 21 42.0 -8.0
			PP	00 14 46.0	-0.6			sS 00 22 09.0 3.6
			S	00 18 52.0	-5.9			LE Ms = 6.4 14.0 20.0

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GYA	47.0	258	+P	00 15 02.0	-0.1		
			pP	00 15 15.0	3.6		
			S	00 21 50.0	0.4		
			sS	00 22 09.0	2.8		
			ScS	00 24 52.0	1.6		
KMI	50.3	260	+P	00 15 28.0	-0.3		
			LN	Ms=6.1	20.0	10.9	
QZN	50.8	249	+iP	00 15 34.0	2.4		
			PMZ	m _B =6.2	4.0	1.30	
			cS	00 22 48.0	3.7		
			LN	Ms=5.6	15.0	2.10	
			LE		15.0	1.80	
LSA	54.1	274	P	00 15 57.4	0.5		
			cS	00 23 32.0	1.5		
			LN	Ms=5.8	15.0	3.95	
KSH	56.4	293	+P	00 16 13.0	-0.3		
			cS	00 24 06.0	5.1		
			LE	Ms=6.1	13.0	6.50	

1985 4 18

O=04 06 47.7 ± 0.09s
 LAT=52.25 N ± 1.81km
 LONG=159.62 E ± 0.93km
 DEPTH= 35 km ± 0.18km
 STATIONS USED = 38, STAND DEV = 1.05s
 Ms=4.4/ 1,

MDJ	21.2	261	cP	04 11 31.0	-2.1		
CN2	24.2	263	-P	04 12 01.4	-0.8		
			LN	Ms=4.4	15.0	0.60	
SNY	26.4	261	cP	04 12 22.8	-0.6		
GTA	42.4	277	P	04 14 41.3	0.0		
WMQ	47.0	290	+iP	04 15 18.0	0.2		
GYA	47.0	258	P	04 15 18.0	-0.3		
KMI	50.4	260	cP	04 15 44.0	-0.4		
QZN	50.9	249	cP	04 15 50.6	2.8		

1985 4 18

O=05 52 52.4 ± 0.09s
 LAT=25.89 N ± 1.20km
 LONG=102.93 E ± 1.09km
 DEPTH= 5 km ± 0.07km
 STATIONS USED = 116, STAND DEV = 2.04s
 Ms=6.2/ 53, M_L=5.5/ 3, m_B=5.9/ 9

KMI	0.8	193	-iPn	05 53 06.5	-4.1		
			Sg	05 53 15.5	-1.3		
GYA	3.4	80	+Pn	05 53 49.6	3.0		
			Sg	05 54 47.0	7.9		
CD2	5.1	8	+iPn	05 54 13.4	4.2		
			Sn	05 55 12.0	1.8		
			LN	Ms=5.9	6.0	10.3	

QZN	9.4	135	P	05 55 08.8	-2.2		
			S	05 56 59.0	1.5		
			LG ₁	05 57 46.0	-0.1		
			LG ₂	05 58 01.5	0.6		
			LN	Ms=6.1	10.0	58.8	
			LE		10.0	68.9	
XAN	9.6	31	+P	05 55 13.6	-1.5		
			S	05 57 00.0	-4.7		
			LG ₁	05 57 50.0	-5.2		
			LG ₂	05 58 09.0	-1.5		
GZH	9.9	104	+P	05 55 18.0	-0.4		
			S	05 57 03.2	-7.6		
			LN	Ms=6.3	8.0	78.5	
			IE		8.0	93.6	
LZH	10.2	4	cP	05 55 24.0	1.1		
			S	05 57 13.0	-5.3		
			LG ₁	05 58 12.5	-0.2		
			LG ₂	05 58 27.5	-1.3		
			LN	Ms=6.4	9.0	156	
WHN	11.1	63	+P	05 55 34.0	-0.9		
			PMZ		3.0	9.99	
			iS	05 57 35.6	-4.9		
			SMN	m _B =5.8	4.0	3.67	
			LE	Ms=6.2	7.0	63.1	
LSA	11.1	293	cP	05 55 33.0	-2.5		
			S	05 57 40.0	-0.3		
			LN	Ms=5.6	10.0	25.8	
GTA	13.7	350	P	05 56 09.7	-0.9		
			S	05 58 44.6	0.4		
			LE	Ms=6.1	14.0	72.7	
QZH	14.2	90	cP	05 56 15.5	-0.9		
			cS	05 58 57.0	1.5		
			LG ₂	06 00 41.5	0.9		
			LN	Ms=6.4	8.0	74.7	
TIY	14.3	32	cP	05 56 16.4	-1.4		
			PMZ		3.0	2.11	
			S	05 58 55.5	-1.7		
			LN	Ms=6.5	13.5	97.7	
			LE		13.5	110	
NJ2	15.2	63	+P	05 56 28.5	-1.5		
			iS	05 59 19.0	-1.0		
			LN	Ms=6.2	8.0	26.0	
			LE		8.5	33.6	
			LZ	Ms=6.0	16.0	60.3	
BTO	15.8	20	+iP	05 56 35.5	-2.3		
			PMZ		3.0	0.70	
			PP	05 56 47.5	-2.5		
			S	05 59 29.0	-4.3		
			SS	05 59 47.0	-4.6		
			LN	Ms=6.4	13.0	88.2	

			LE		13.0	70.7			SMN	$m_B = 6.5$	10.0	8.80	
			LZ	$M_s = 6.2$	13.0	65.5			SME		10.0	11.4	
TIA	15.9	46	+P	05 56 39.2	0.2				LN	$M_s = 6.3$	11.0	20.3	
			PMZ	$m_B = 6.1$	4.0	3.26			LE		11.0	21.1	
			S	05 59 32.0	-3.7		KSH	26.3	308	cP	05 58 33.0	1.8	
			sS	05 59 39.2	-3.3				SME	$m_B = 6.4$	11.0	12.6	
			SS	05 59 51.0	-3.2				LE	$M_s = 6.4$	10.0	35.7	
			LN	$M_s = 6.1$	12.0	39.7	MDI	28.5	42	cP	05 58 51.5	0.4	
			LE		13.0	25.8			PP		05 59 44.0	2.0	
HHC	16.6	24	-iP	05 56 46.2	-1.1				cS		06 03 37.0	-1.0	
			LE	$M_s = 6.5$	14.0	146			LE	$M_s = 6.1$	10.0	14.2	
SSE	16.9	68	+P	05 56 50.0	-1.1								
			sP	05 56 55.0	-3.4								
			PP	05 57 03.0	-1.8								
			cS	05 59 56.0	-2.2								
			SS	06 00 12.0	-5.9								
			LN	$M_s = 6.4$	11.0	68.1							
			LE		11.0	35.1							
			LZ	$M_s = 6.3$	8.0	44.8							
BJI	17.9	35	P	05 57 06.5	2.0								
			PMZ		3.0	2.75							
			cS	06 00 23.0	0.3								
			SMN	$m_B = 5.6$	7.0	1.56	KMI	0.7	194	cPg	06 14 57.0	1.4	
			SME		8.5	2.26				Sg	06 15 06.0	0.9	
			LN	$M_s = 6.1$	9.0	32.0				SMN	$M_L = 4.9$	1.0	43.5
							GYA	3.4	78	Pn	06 15 39.8	3.0	
										SMN	$M_L = 3.0$	1.2	0.060
										SME		1.2	0.040
DL2	20.4	46	+P	05 57 33.0	-0.1								
			PMZ		2.0	3.31							
			PP	05 57 52.0	-1.0								
			S	06 01 16.0	-0.5								
			SMN	$m_B = 6.3$	5.0	6.43							
			SME		5.0	4.79							
			SS	06 01 44.5	-1.2								
			LN	$M_s = 6.1$	9.0	17.0	WHN	11.1	62	P	06 17 25.3	0.0	
			LE		9.0	13.8				sP	06 17 30.3	-1.9	
WMQ	21.8	329	cP	05 57 46.5	-0.8								
			S	06 01 46.5	3.7								
			SME	$m_B = 5.9$	10.0	5.98	BJI	18.0	35	cP	06 18 57.5	2.3	
			LN	$M_s = 6.0$	14.0	27.2							
SNY	23.3	42	+iP	05 58 02.5	0.2								
			PMZ		3.0	1.95							
			S	06 02 08.5	-2.2								
			SMN	$m_B = 5.6$	8.0	1.73							
			SME		9.0	1.55							
			LE	$M_s = 6.1$	12.0	24.1							
CN2	25.6	40	+P	05 58 23.0	-1.3								
			PMZ		3.0	1.60	WMQ	6.3	66	cPg	06 18 05.2	0.9	
			pP	05 58 25.8	-3.0					Sg	06 19 33.0	3.0	
			PP	05 59 00.0	-3.0					SMN	$M_L = 3.3$	0.6	0.020
			PPMZ		3.0	1.70	NJ2	32.5	94	cP	06 22 48.0	1.9	
			cS	06 02 47.0	-3.4								

1985 4 18

O = 06 14 42.5 ± 0.11s

LAT = 25.82 N ± 1.23km

LONG = 102.94 E ± 1.07km

DEPTH = 5 km ± 0.17km

STATIONS USED = 26, STAND DEV = 2.99s

$M_L = 4.1 / 7,$

KMI 0.7 194 cPg 06 14 57.0 1.4

Sg 06 15 06.0 0.9

SMN $M_L = 4.9$ 1.0 43.5

GYA 3.4 78 Pn 06 15 39.8 3.0

SMN $M_L = 3.0$ 1.2 0.060

SME 1.2 0.040

CD2 5.1 8 +iPn 06 16 03.2 3.0

QZN 9.3 135 cP 06 16 59.0 -1.5

XAN 9.7 31 P 06 17 03.2 -2.7

GZH 9.9 104 cP 06 17 08.0 -0.2

cS 06 18 53.0 -7.5

SMN 1.6 0.27

SME 1.3 0.090

WHN 11.1 62 P 06 17 25.3 0.0

sP 06 17 30.3 -1.9

cS 06 19 23.0 -8.1

SME 1.0 0.040

BJI 18.0 35 cP 06 18 57.5 2.3

1985 4 18

O = 06 16 13.2 ± 0.11s

LAT = 41.57 N ± 1.03km

LONG = 79.73 E ± 1.04km

DEPTH = 13 km ± 0.88km

STATIONS USED = 7, STAND DEV = 2.19s

$M_L = 3.2 / 7,$

WMQ 6.3 66 cPg 06 18 05.2 0.9

Sg 06 19 33.0 3.0

SMN $M_L = 3.3$ 0.6 0.020

NJ2 32.5 94 cP 06 22 48.0 1.9

1985 4 18
O = 06 46 07.3 ± 0.09s
LAT = 25.86 N ± 0.90km
LONG = 102.97 E ± 0.77km
DEPTH = 8 km ± 0.21km
STATIONS USED = 19, STAND DEV = 2.78s
M_L = 3.8 / 10,

KMI	0.8	196	+Pg	06 46 20.5	-0.7		
			Sg	06 46 30.5	-0.9		
			SME			M _L = 4.8	1.0 31.3
GYA	3.4	79	ePn	06 47 03.0	2.3		
			SMN			M _L = 3.6	1.0 0.17
			SME				1.0 0.19
CD2	5.1	8	Pn	06 47 27.0	2.9		
QZN	9.3	136	eP	06 48 23.2	-1.7		
XAN	9.6	31	eP	06 48 26.0	-3.6		
GZH	9.8	104	eP	06 48 33.0	0.7		
			eS	06 50 17.0	-7.1		

1985 4 18
O = 09 39 44.9 ± 0.07s
LAT = 0.01 S ± 1.03km
LONG = 126.82 E ± 1.87km
DEPTH = 70 km ± 0.24km
STATIONS USED = 80, STAND DEV = 1.22s
M_s = 4.5 / 1, m_B = 5.2 / 1

QZN	25.2	320	eP	09 45 05.9	-0.1		
QZH	26.1	343	eP	09 45 16.0	2.2		
			S	09 49 38.0	0.9		
GZH	26.4	331	eP	09 45 17.0	-0.3		
SSE	31.4	351	eP	09 46 01.8	0.1		
WHN	32.6	340	+P	09 46 13.6	1.2		
			LN			M _s = 4.5	10.0 0.32
GYA	32.7	325	P	09 46 13.2	-0.1		
NJ2	32.8	347	eP	09 46 14.3	0.6		
KMI	34.2	319	eP	09 46 27.0	1.1		
TIA	37.1	347	eP	09 46 51.0	-0.1		
CD2	37.7	327	eP	09 46 55.6	-0.6		
XAN	37.8	335	+P	09 46 56.0	-0.6		
DL2	39.0	354	eP	09 47 06.0	-0.7		
TIY	39.8	342	eP	09 47 13.5	0.1		
BJI	41.0	348	eP	09 47 24.0	0.7		
SNY	41.8	356	+iP	09 47 28.7	-0.5		
LZH	41.8	332	eP	09 47 30.5	0.8		
			PMZ				1.5 0.12
HHC	43.0	343	+P	09 47 40.2	0.9		
CN2	43.6	359	+P	09 47 43.0	-1.6		
MDJ	44.5	3	+P	09 47 51.0	-0.6		
LSA	45.0	314	P	09 47 57.3	1.0		
GTA	46.4	331	+iP	09 48 07.4	0.9		

			PcP	09 49 41.1	0.9		
WMQ	55.8	326	+iP	09 49 18.0	-0.1		
			S	09 56 59.0	1.6		
			SMN			m _B = 5.2	3.5 0.12

1985 4 18
O = 14 11 15.2 ± 0.09s
LAT = 5.67 N ± 1.33km
LONG = 93.97 E ± 0.85km
DEPTH = 74 km ± 0.29km
STATIONS USED = 16, STAND DEV = 1.23s

QZN	20.4	48	eP	14 15 49.2	0.7		
KMI	21.1	23	eP	14 15 56.5	0.5		
GYA	24.0	29	+P	14 16 25.4	1.4		
LSA	24.0	354	eP	14 16 24.6	-0.6		
CD2	26.7	19	P	14 16 49.4	-0.7		
XAN	31.4	24	+P	14 17 30.6	-1.6		
CN2	47.0	31	eP	14 19 40.4	-0.7		

1985 4 18
O = 14 50 28.9 ± 0.12s
LAT = 25.84 N ± 1.15km
LONG = 103.01 E ± 1.17km
DEPTH = 8 km ± 0.28km
STATIONS USED = 24, STAND DEV = 2.93s
M_s = 3.9 / 3, M_L = 3.7 / 11,

KMI	0.8	199	-iPg	14 50 41.0	-1.5		
			Sg	14 50 50.0	-2.5		
			SMN			M _L = 4.4	1.0 11.0
			SME				1.0 16.7
GYA	3.3	78	Pn	14 51 24.4	2.5		
			Pg	14 51 35.0	7.1		
			Sg	14 52 20.4	6.9		
			LN			M _s = 3.7	5.0 0.90
			LE				5.0 0.70
CD2	5.1	7	Pn	14 51 47.8	1.8		
QZN	9.3	136	eP	14 52 44.4	-1.6		
XAN	9.6	31	eP	14 52 48.4	-2.9		
			S	14 54 37.5	-3.2		
			LG ₂	14 55 46.0	-1.2		
			LN			M _s = 3.9	11.0 0.47
			LE				11.0 0.46
GZH	9.8	104	eP	14 52 53.0	-0.4		
			eS	14 54 39.7	-5.1		
			LN			M _s = 4.3	7.0 0.95
			LE				7.0 0.38
WHN	11.0	62	eP	14 53 06.0	-4.5		
BTO	15.8	20	eP	14 54 13.6	-0.7		
CN2	25.6	40	eP	14 56 04.0	3.7		

1985 4 18

O = 16 22 30.0 ± 0.08s
 LAT = 25.83 N ± 0.63km
 LONG = 102.90 E ± 0.70km
 DEPTH = 5 km ± 0.27km

STATIONS USED = 5, STAND DEV = 3.44s

$M_L = 3.1 / 6,$

KMI 0.7 191 -Pg 16 22 42.0 -1.1
 Sg 16 22 52.0 -0.7
 SME $M_L = 3.7$ 1.0 2.54

1985 4 18

O = 21 06 19.3 ± 0.08s
 LAT = 25.79 N ± 0.63km
 LONG = 102.90 E ± 0.71km
 DEPTH = 6 km ± 0.29km

STATIONS USED = 5, STAND DEV = 3.61s

$M_L = 3.0 / 5,$

KMI 0.7 192 +iPg 21 06 30.5 -1.1
 Sg 21 06 40.5 -0.1
 SMN $M_L = 3.5$ 1.0 1.28
 SME 1.0 2.00

1985 4 18

O = 17 21 03.2 ± 0.06s
 LAT = 25.78 N ± 0.48km
 LONG = 103.03 E ± 0.51km
 DEPTH = 10 km ± 0.27km

STATIONS USED = 9, STAND DEV = 2.23s

$M_L = 3.9 / 5,$

KMI 0.7 202 +iPg 17 21 14.5 -1.5
 Sg 17 21 24.0 -1.4
 SMN $M_L = 4.4$ 1.0 14.6
 SME 1.0 15.6
 GYA 3.3 77 cPn 17 21 57.6 1.6
 Pg 17 22 09.0 6.9
 SMN $M_L = 3.2$ 1.0 0.080
 SME 1.0 0.080
 CD2 5.2 7 Pn 17 22 21.2 0.3
 SMN $M_L = 3.9$ 1.0 0.10
 SME 1.2 0.20

1985 4 18

O = 22 09 36.4 ± 0.13s
 LAT = 17.47 S ± 2.44km
 LONG = 66.17 E ± 2.00km
 DEPTH = 10 km ± 0.08km

STATIONS USED = 15, STAND DEV = 1.44s

GYA 58.8 43 P 22 19 37.5 -0.4
 CD2 60.2 37 cP 22 19 47.0 -0.5
 WMQ 64.1 17 cP 22 20 13.0 -0.9
 XAN 65.4 38 cP 22 20 21.0 -1.5
 TIY 70.0 38 cP 22 20 51.4 0.1
 TIA 71.9 41 cP 22 21 05.2 2.6
 BJI 73.8 38 cP 22 21 14.0 0.5

1985 4 19

O = 00 21 51.1 ± 0.09s
 LAT = 25.84 N ± 0.81km
 LONG = 102.95 E ± 0.68km
 DEPTH = 9 km ± 0.27km

STATIONS USED = 14, STAND DEV = 2.59s

$M_s = 3.5 / 1, M_L = 3.8 / 9,$

KMI 0.7 195 +Pg 00 22 03.0 -1.5
 Sg 00 22 12.0 -2.5
 SMN $M_L = 4.7$ 1.0 23.4
 SME 1.0 23.6
 GYA 3.4 79 cPn 00 22 47.2 2.5
 Pg 00 22 56.4 5.5
 SMN $M_L = 3.2$ 1.0 0.080
 SME 1.0 0.080
 LN $M_s = 3.5$ 5.0 0.70
 CD2 5.1 8 cPn 00 23 09.8 1.8
 cSn 00 24 08.0 -1.1
 SMN $M_L = 4.1$ 1.1 0.10
 SME 1.3 0.30
 XAN 9.7 31 cP 00 24 10.5 -3.2

1985 4 18

O = 20 33 46.8 ± 0.07s
 LAT = 25.84 N ± 0.65km
 LONG = 102.93 E ± 0.65km
 DEPTH = 7 km ± 0.21km

STATIONS USED = 9, STAND DEV = 2.68s

$M_L = 3.8 / 8,$

KMI 0.7 194 +Pg 20 33 59.0 -1.1
 Sg 20 34 09.0 -1.0
 SMN $M_L = 4.5$ 1.0 10.4
 SME 1.0 21.7
 GYA 3.4 79 cPn 20 34 41.6 0.7
 Pg 20 34 52.6 5.6
 Sg 20 35 30.4 -3.2
 SMN $M_L = 3.2$ 1.0 0.050
 SME 1.0 0.080
 CD2 5.1 8 Pn 20 35 05.2 1.2
 SMN $M_L = 3.9$ 1.3 0.10
 SME 1.2 0.20

1985 4 19

O = 04 50 12.2 ± 0.07s

LAT = 10.55 S ± 0.76km
 LONG = 124.39 E ± 1.05km
 DEPTH = 33 km ± 0.15km
 STATIONS USED = 30, STAND DEV = 1.13s

GYA	40.6	335	P	04 57 51.4	0.2
KMI	41.3	330	cP	04 57 58.0	1.4
WHN	42.0	347	cP	04 58 03.0	0.7
NJ2	42.7	353	cP	04 58 08.5	0.4
CD2	45.7	335	P	04 58 32.4	-0.3
XAN	46.7	342	P	04 58 38.8	-1.6
LZH	50.3	338	cP	04 59 08.0	-0.2
BJI	50.9	352	cP	04 59 12.5	-0.3
LSA	51.2	322	P	04 59 16.0	0.1
GTA	54.7	337	-iP	04 59 41.3	0.0
MDJ	55.1	5	cP	04 59 45.5	1.5
WMQ	63.6	331	P	05 00 42.0	-0.6

1985 4 19
 O = 05 41 17.4 ± 0.10s
 LAT = 25.83 N ± 0.79km
 LONG = 102.98 E ± 0.87km
 DEPTH = 7 km ± 0.33km
 STATIONS USED = 8, STAND DEV = 2.91s
 $M_L = 3.6 / 7,$

KMI	0.7	197	+iPg	05 41 29.3	-1.5
			Sg	05 41 39.7	-0.9
			SMN	$M_L = 4.1$	1.0 4.50
			SME		1.0 9.10
CD2	5.1	8	cPn	05 42 35.6	0.8
			eSn	05 43 41.0	4.9
			SMN	$M_L = 3.6$	0.9 0.050
			SME		0.8 0.10

1985 4 19
 O = 11 31 58.5 ± 0.09s
 LAT = 25.79 N ± 0.92km
 LONG = 102.96 E ± 0.74km
 DEPTH = 8 km ± 0.29km
 STATIONS USED = 13, STAND DEV = 2.90s
 $M_s = 3.4 / 1, M_L = 3.5 / 8,$

KMI	0.7	197	-iPg	11 32 09.7	-1.4
			Sg	11 32 19.5	-0.8
			SMN	$M_L = 4.3$	1.0 9.10
			SME		1.0 13.8
GYA	3.4	78	Pn	11 32 55.0	2.7
			Pg	11 33 06.0	7.5
			SMN	$M_L = 3.2$	1.0 0.060
			SME		1.0 0.070
			LN	$M_s = 3.4$	5.0 0.50
CD2	5.2	8	cPn	11 33 17.8	1.4

QZN	9.3	135	cP	11 34 13.6	-2.0
XAN	9.7	31	cP	11 34 19.6	-2.3

1985 4 19
 O = 15 01 31.8 ± 0.01s
 LAT = 35.91 N ± 0.10km
 LONG = 106.14 E ± 0.09km
 DEPTH = 7 km ± 0.05km
 STATIONS USED = 5, STAND DEV = 1.64s
 $M_L = 2.8 / 5,$

LZH	1.9	276	-Pg	15 02 05.0	0.0
			Sg	15 02 28.5	-1.9
			SMN	$M_L = 3.1$	0.5 0.16
			SME		0.5 0.22
XAN	2.9	128	cPn	15 02 20.0	0.6
			Pg	15 02 25.8	2.0
			Sg	15 03 02.8	-1.4
			SMN	$M_L = 2.5$	0.4 0.020
			SME		0.4 0.020

1985 4 19
 O = 17 43 11.2 ± 0.18s
 LAT = 11.90 N ± 2.75km
 LONG = 86.66 W ± 2.17km
 DEPTH = 70 km ± 1.71km
 STATIONS USED = 82, STAND DEV = 2.18s
 $M_s = 6.3 / 33, m_B = 5.9 / 3$

MDJ	114.9	332	cPKP	18 01 45.0	-0.1
			PP	18 02 42.0	-6.1
			LZ	$M_s = 5.8$	32.0 2.69
CN2	117.3	334	+PKP	18 01 49.0	-0.8
			cPP	18 02 58.0	-7.4
			PPMZ	$m_B = 5.9$	6.0 0.50
			SKS	18 09 00.7	8.5
			LN	$M_s = 6.0$	17.0 2.00
SNY	119.7	334	cPKP	18 01 54.7	0.3
			PP	18 03 16.0	-5.4
			LN	$M_s = 5.8$	30.0 2.19
DL2	123.0	334	cPKP	18 02 01.0	0.3
			LN	$M_s = 6.2$	19.0 2.08
			LE		20.0 2.47
BJI	124.1	339	cPKP	18 02 04.5	1.5
			esPKP	18 02 15.0	
			cPP	18 03 49.0	-3.1
			eSKS	18 09 10.0	5.0
			eSS	18 20 36.0	2.8
			LN	$M_s = 6.5$	21.0 6.29
			LE		20.0 1.91
			LZ	$M_s = 6.6$	21.0 8.08
HHC	124.9	343	+iPKP	18 02 07.0	2.4

BTO	125.5	344	PKP	18 02 07.4	1.6		
			PP	18 04 00.0	-1.0		
			eSKKS	18 10 46.0			
			LN	Ms=6.2	20.0	1.60	
			LE		20.0	3.00	
			LZ	Ms=6.2	20.0	3.10	
KSH	126.4	17	+PKP	18 02 09.0	1.5		
			PP	18 04 02.0	-4.7		
			eSKKS	18 10 54.0			
			LE	Ms=6.3	17.0	3.87	
TIA	127.1	336	+PKP	18 02 09.7	0.9		
			sPKP	18 02 20.0			
			PP	18 04 08.0	-3.1		
			eSKS	18 09 17.0	6.4		
			eSKKS	18 10 53.0			
			eSS	18 21 06.0	-5.3		
			LN	Ms=6.0	26.0	2.96	
TIY	127.5	341	+iPKP	18 02 10.0	0.4		
			sPKP	18 02 20.5			
			PP	18 04 18.0	4.5		
			SKS	18 09 16.0	4.7		
			SKKS	18 11 08.5			
			LN	Ms=6.3	24.0	2.68	
			LE		25.0	3.85	
GTA	128.6	354	PKP	18 02 11.8	0.0		
			SKS	18 09 19.0	5.8		
			SKKS	18 12 20.2			
			LN	Ms=6.3	20.0	4.31	
SSE	129.6	329	+PKP	18 02 14.0	0.5		
			sPKP	18 02 28.0			
			PP	18 04 23.0	-4.5		
			SKKS	18 11 12.0			
			SS	18 21 40.0	-1.4		
			LN	Ms=6.0	32.0	2.35	
			LE		32.0	2.10	
NJ2	129.9	332	+iPKP	18 02 15.0	0.8		
			sPKP	18 02 27.0			
			PP	18 04 34.0	4.3		
			SKKS	18 11 22.0			
			LN	Ms=6.3	19.0	2.70	
			LE		18.0	2.00	
			LZ	Ms=6.1	20.0	2.50	
LZH	131.3	349	ePKP	18 02 18.5	1.6		
			PKS	18 05 42.0			
			LE	Ms=6.3	18.0	3.24	
XAN	132.0	343	+PKP	18 02 18.6	0.4		
			PKS	18 05 45.0			
			LN	Ms=6.4	22.0	3.67	
			LE		20.0	2.75	
WHN	133.2	335	+PKP	18 02 20.5	0.1		

			ePP	18 04 45.0	-5.5		
			PPMZ	m _B =5.9	8.0	0.54	
			PKS	18 05 51.0			
			LN	Ms=6.2	20.0	2.90	
QZH	135.9	326	+PKP	18 02 26.0	0.7		
			sPKP	18 02 38.0			
			ePP	18 05 00.0	-7.4		
			eSS	18 23 00.0	2.2		
			LE	Ms=6.1	21.0	2.51	
CD2	136.3	347	ePKP	18 02 27.0	0.9		
			ePP	18 05 14.0	4.1		
			PKS	18 06 00.0			
			LE	Ms=6.5	24.0	6.60	
LSA	138.6	3	PKP	18 02 32.8	2.0		
			sPKP	18 02 43.0			
			LN	Ms=6.4	20.0	4.21	
GYA	139.7	341	PKP	18 02 33.5	0.9		
			sPKP	18 02 46.0			
			PKS	18 06 08.5			
			LN	Ms=6.3	18.0	2.20	
			LE		18.0	2.30	
GZH	140.1	331	-PKP	18 02 35.5	2.5		
			ePP	18 05 30.0	-3.7		
			PKS	18 06 12.0			
			LN	Ms=6.0	24.0	1.53	
			LE		24.0	1.59	
KMI	142.1	346	ePKP	18 02 33.5	-3.3		
			sPKP	18 02 44.0			
			LE	Ms=6.5	24.0	7.20	
QZN	145.2	332	+iPKP	18 02 44.0	2.0		
			pPKP	18 02 54.0	-6.6		
			PP	18 06 02.5	-1.5		
			PPMZ	m _B =6.1	8.0	1.00	

1985 4 19

O=17 47 11.5 ± 0.04s

LAT=32.39 N ± 0.40km

LONG=119.34 E ± 0.43km

DEPTH= 11 km ± 0.15km

STATIONS USED = 5, STAND DEV = 1.33s

M_L=2.9 / 6,

NJ2 0.5 231 -Pg 17 47 21.3 0.2

Sg 17 47 27.8 -0.7

SMN M_L=2.7 0.1 0.34

SME 0.1 0.41

SSE 2.0 129 Pg 17 47 48.2 0.8

Sg 17 48 14.0 -1.1

SMN M_L=3.1 0.8 0.18

SME 0.6 0.10

1985 4 19
 O = 17 55 33.6 ± 0.18s
 LAT = 11.89 N ± 2.38km
 LONG = 86.70 W ± 2.18km
 DEPTH = 45 km ± 1.71km
 STATIONS USED = 57, STAND DEV = 1.52s
 Ms = 6.3 / 4, m_B = 6.0 / 1

MDJ	114.8	332	ePKP	18 14 11.0	0.7
BJI	124.1	339	ePKP	18 14 29.5	1.3
WMQ	124.3	5	PKP	18 14 29.0	0.3
HHC	124.9	343	PKP	18 14 31.6	1.8
			LN	Ms = 6.3	20.0 3.93
BTO	125.5	344	ePKP	18 14 31.8	0.8
TIA	127.1	336	+PKP	18 14 34.8	0.7
			PP	18 16 33.0	-2.8
			LN	Ms = 6.1	23.0 2.75
			LZ	Ms = 6.3	20.0 3.62
TIY	127.5	341	PKP	18 14 35.2	0.3
			PP	18 16 46.0	7.7
			LN	Ms = 6.3	22.0 4.11
			LE		22.0 2.07
GTA	128.6	354	-iPKP	18 14 38.0	1.0
SSE	129.6	329	ePKP	18 14 40.0	1.3
NJ2	129.9	331	-PKP	18 14 40.0	0.6
XAN	132.0	342	PKP	18 14 43.0	-0.4
			PKS	18 18 10.0	
WHN	133.2	335	PKP	18 14 45.0	-0.6
			ePP	18 17 13.0	-2.3
			PPMZ	m _B = 6.0	6.0 0.45
			PKS	18 18 14.0	
QZH	135.9	326	ePKP	18 14 51.0	0.5
CD2	136.3	347	ePKP	18 14 53.2	1.8
LSA	138.6	3	ePKP	18 14 56.0	-0.1
GYA	139.7	341	PKP	18 14 58.4	0.6
			sPKP	18 15 11.0	
			PKS	18 18 35.0	
KMI	142.1	346	ePKP	18 15 03.0	1.0
QZN	145.2	332	+PKP	18 15 08.5	1.3
			ePP	18 18 31.0	1.8

1985 4 19
 O = 22 26 34.7 ± 0.13s
 LAT = 11.49 S ± 1.53km
 LONG = 165.58 E ± 1.56km
 DEPTH = 30 km ± 1.01km
 STATIONS USED = 16, STAND DEV = 1.73s

GYA	68.5	304	eP	22 37 37.0	-0.2
XAN	70.3	313	eP	22 37 47.6	-0.4
KMI	71.2	302	eP	22 37 54.5	0.8
CD2	72.7	308	P	22 38 02.8	0.1

GTA 79.2 314 P 22 38 40.0 0.3

1985 4 20
 O = 00 34 03.9 ± 0.02s
 LAT = 24.69 N ± 0.23km
 LONG = 100.02 E ± 0.16km
 DEPTH = 6 km ± 0.04km
 STATIONS USED = 5, STAND DEV = 2.13s
 M_L = 3.5 / 4,

KMI	2.5	80	ePg	00 34 48.0	-0.6
			Sg	00 35 25.0	2.4
			SMN	M _L = 3.5	1.0 0.25
			SME		1.0 0.25
GYA	6.3	72	ePn	00 35 39.0	1.8

1985 4 20
 O = 03 08 27.8 ± 0.06s
 LAT = 38.25 N ± 0.99km
 LONG = 74.15 E ± 0.73km
 DEPTH = 147 km ± 0.38km
 STATIONS USED = 27, STAND DEV = 1.43s
 M_L = 4.6 / 2,

KSH	1.9	49	+P	03 09 04.0	2.1
			iS	03 09 29.0	1.3
			SME	M _L = 4.3	0.5 3.00
WMQ	11.6	57	+iP	03 11 09.9	-0.6
			S	03 13 17.4	-0.1
			SMN		0.8 0.050
			SME		0.8 0.040
GTA	20.0	79	P	03 12 52.2	0.9

1985 4 20
 O = 05 08 39.3 ± 0.01s
 LAT = 24.59 N ± 0.08km
 LONG = 100.08 E ± 0.06km
 DEPTH = 8 km ± 0.03km
 STATIONS USED = 5, STAND DEV = 0.58s
 M_L = 3.4 / 6,

KMI	2.5	77	ePn	05 09 21.0	0.4
			Sg	05 09 59.0	2.1
			SMN	M _L = 3.3	1.0 0.17
			SME		1.0 0.14

1985 4 20
 O = 10 35 38.2 ± 0.06s
 LAT = 37.51 N ± 1.73km
 LONG = 142.36 E ± 1.30km
 DEPTH = 49 km ± 0.93km
 STATIONS USED = 69, STAND DEV = 1.47s
 Ms = 4.3 / 11,

MDJ	12.0	310	eP	10 38 32.6	3.8		
			sP	10 38 45.0	1.1		
			eS	10 40 44.0	3.0		
			LE	Ms=4.2	13.0	0.98	
CN2	14.3	301	eP	10 39 02.0	2.5		
			pP	10 39 11.0	2.6		
			eS	10 41 41.0	4.4		
			LN	Ms=4.2	13.0	0.80	
SNY	15.1	292	eP	10 39 08.2	-1.8		
			LN	Ms=4.3	14.0	0.94	
DL2	16.4	281	P	10 39 26.0	-0.1		
SSE	18.6	256	eP	10 39 55.0	1.0		
			LZ	Ms=4.4	20.0	1.11	
NJ2	20.0	261	eP	10 40 08.8	-1.3		
			LZ	Ms=4.2	16.0	0.60	
TIA	20.2	274	eP	10 40 10.1	-1.9		
			LN	Ms=4.4	14.0	0.34	
			LE		14.0	0.61	
			LZ	Ms=4.5	14.0	0.92	
BJI	20.5	285	eP	10 40 14.0	-1.3		
TIY	23.7	280	eP	10 40 44.6	-1.8		
			S	10 44 46.0	-7.4		
			LE	Ms=4.2	13.0	0.31	
HHC	24.0	288	eP	10 40 50.8	0.7		
			LE	Ms=4.4	12.0	0.44	
XAN	27.3	273	P	10 41 20.0	-0.4		
GZH	28.7	248	eP	10 41 34.5	0.9		
LZH	30.7	279	eP	10 41 51.5	0.0		
CD2	32.4	270	eP	10 42 09.4	3.2		
GTA	33.1	287	-P	10 42 13.2	0.6		
QZN	33.8	246	eP	10 42 19.6	1.5		
KMI	35.8	261	eP	10 42 35.0	-0.2		
			pP	10 42 45.0	-2.1		
			eS	10 48 04.0	-4.2		
			LN	Ms=4.6	14.0	0.50	
WMQ	41.3	297	+P	10 43 22.3	1.2		
LSA	42.9	275	eP	10 43 36.7	1.9		
1985 4 20							
O=12 36 44.1 ± 0.56s							
LAT=40.81 N ± 4.60km							
LONG=127.25 E ± 1.43km							
DEPTH= 10 km							
STATIONS USED = 7, STAND DEV= 2.26s							
M _L =3.7/ 8,							
SNY	2.9	291	+Pg	12 37 37.2	1.0		
			Sg	12 38 15.4	-1.1		
			SMN	M _L =3.9	0.7	0.59	
			SME		0.7	0.50	
CN2	3.3	336	Pn	12 37 35.2	-0.7		

			ePg	12 37 43.8	1.9		
			eSn	12 38 14.4	-2.5		
			eSg	12 38 26.4	-0.3		
			SMN	M _L =3.5	0.8	0.15	
			SME		0.8	0.16	
MDJ	4.2	24	ePg	12 38 01.0	3.2		
			Sg	12 38 57.2	2.4		
			SME	M _L =3.8	0.7	0.18	
1985 4 20							
O=17 39 32.5 ± 0.09s							
LAT=25.84 N ± 0.80km							
LONG=102.87 E ± 0.72km							
DEPTH= 6 km ± 0.27km							
STATIONS USED = 10, STAND DEV= 2.58s							
M _L =3.2/ 6,							
KMI	0.7	190	-Pg	17 39 45.0	-0.5		
			Sg	17 39 55.5	0.3		
			SMN	M _L =4.0	1.0	3.60	
			SME		1.0	6.50	
GYA	3.5	79	ePn	17 40 29.6	2.2		
CD2	5.1	9	ePn	17 40 51.9	1.9		
			SMN	M _L =3.3	0.8	0.020	
			SME		1.0	0.050	
XAN	9.7	31	eP	17 41 53.3	-2.7		
1985 4 20							
O=18 23 48.0 ± 0.29s							
LAT= 9.03 N ± 2.30km							
LONG= 77.39 W ± 3.27km							
DEPTH= 44 km ± 2.28km							
STATIONS USED = 82, STAND DEV= 2.56s							
Ms=6.3/ 33, m _B =5.9/ 1							
MDJ	121.3	338	ePKP	18 42 40.0	2.7		
			PP	18 44 06.0	-5.6		
			LZ	Ms=6.4	30.0	7.86	
CN2	123.5	340	PKP	18 42 42.4	0.8		
			sPKP	18 42 55.0			
			ePP	18 44 25.0	-1.9		
			LN	Ms=6.4	19.0	4.60	
WMQ	125.7	13	+PKP	18 42 46.8	0.9		
			PP	18 44 39.0	-2.4		
			eSKS	18 49 50.0	-0.2		
			SKKS	18 51 29.0			
			SS	19 01 42.0	7.3		
			LN	Ms=6.3	20.0	3.78	
KSH	125.8	25	ePKP	18 42 50.0	3.9		
			eSKKS	18 51 38.0			
			LE	Ms=6.2	18.0	3.08	
SNY	125.9	341	ePKP	18 42 47.6	1.5		

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LONG = 22.19 E ± 1.37km
 DEPTH = 34 km ± 0.76km
 STATIONS USED = 84, STAND DEV = 1.47s
 Ms = 5.2 / 5,

KSH	42.3	68	P	08 57 33.0	0.6		
WMQ	49.8	60	P	08 58 31.6	-0.7		
LSA	57.3	75	P	08 59 26.7	-0.9		
GTA	59.8	61	P	08 59 44.3	-0.9		
LZH	64.1	63	eP	09 00 13.5	-0.4		
CD2	66.5	68	eP	09 00 27.9	-0.8		
HHC	67.4	55	eP	09 00 34.2	-0.2		
			S	09 09 28.0	2.9		
			LN	Ms = 5.2	14.0	0.46	
			LE		14.0	0.55	
KMI	68.5	74	eP	09 00 40.0	-1.8		
XAN	68.8	63	eP	09 00 42.4	-0.8		
			eS	09 09 42.5	-1.0		
TIY	69.5	58	eP	09 00 46.4	-1.1		
			eS	09 09 43.0	-8.7		
			LN	Ms = 5.0	14.0	0.38	
BJI	70.8	54	eP	09 00 54.5	-1.2		
GYA	70.9	71	eP	09 00 55.8	-0.4		
TIA	73.5	57	eP	09 01 10.8	-0.6		
WHN	74.5	63	eP	09 01 18.0	0.5		
SNY	74.6	49	eP	09 01 17.4	-0.6		
CN2	74.6	47	+P	09 01 16.5	-1.6		
			sP	09 01 30.0	-1.9		
			eS	09 10 51.0	0.2		
			LN	Ms = 5.4	13.0	0.70	
			LE		13.0	0.50	
DL2	75.0	53	eP	09 01 22.5	2.2		
MDJ	76.6	44	eP	09 01 28.0	-1.3		
NJ2	76.9	60	eP	09 01 32.0	0.7		
			LZ	Ms = 5.1	16.0	0.50	

1985 4 21
 O = 10 27 32.4 ± 0.03s
 LAT = 26.02 N ± 0.55km
 LONG = 123.63 E ± 0.27km
 DEPTH = 291 km ± 0.55km
 STATIONS USED = 30, STAND DEV = 0.78s

SSE	5.5	338	+iP	10 28 56.5	0.4		
			PMZ			1.0	0.090
			S	10 30 00.0	-1.4		
NJ2	7.3	326	+P	10 29 18.0	-0.4		
WHN	9.3	301	P	10 29 43.4	0.0		
TIA	11.6	333	P	10 30 11.9	0.7		
DL2	13.0	353	eP	10 30 29.0	0.9		
QZN	14.5	244	P	10 30 47.8	1.0		
TIY	15.0	324	eP	10 30 53.0	0.0		

GYA	15.2	275	P	10 30 56.0	0.6		
RJI	15.3	338	eP	10 30 54.5	-1.5		
SNY	15.8	360	eP	10 31 00.8	-0.3		
CN2	17.8	4	eP	10 31 22.8	0.2		
CD2	18.1	290	eP	10 31 25.3	-0.8		
KMI	18.9	272	-P	10 31 34.5	0.8		

1985 4 21
 O = 13 21 26.8 ± 0.08s
 LAT = 35.60 N ± 1.18km
 LONG = 87.29 E ± 0.98km
 DEPTH = 32 km ± 0.06km
 STATIONS USED = 89, STAND DEV = 1.69s
 Ms = 5.8 / 28, m_B = 5.7 / 12

LSA	6.7	150	Pn	13 23 09.7	5.5		
			Sn	13 24 20.0	-1.1		
			LE	Ms = 5.5	10.0	41.5	
WMQ	8.2	2	P	13 23 26.0	-0.7		
			S	13 25 04.0	4.9		
			LG ₁	13 25 51.0	6.2		
			LE	Ms = 5.5	7.0	20.3	
KSH	9.8	297	+iP	13 23 47.0	-1.4		
			S	13 25 42.0	4.3		
			LE	Ms = 6.1	14.0	121	
GTA	10.6	65	P	13 24 00.0	-0.5		
			S	13 25 57.7	-1.6		
			LN	Ms = 6.0	12.0	76.2	
LZH	13.4	83	+P	13 24 36.0	-2.1		
			PMZ		2.0	0.14	
			eS	13 27 08.0	0.4		
			LG ₂	13 28 46.0	-4.3		
			LN	Ms = 5.8	10.0	13.7	
			LE		9.0	20.5	
CD2	14.5	104	P	13 24 53.6	1.1		
			pP	13 25 00.0	0.5		
			sP	13 25 06.0	1.7		
KMI	16.9	124	+P	13 25 22.5	-0.6		
			PMZ	m _B = 5.6	4.0	1.09	
			sP	13 25 34.0	-0.8		
			S	13 28 31.0	2.8		
			LN	Ms = 5.8	11.0	16.2	
			LE		11.0	12.4	
XAN	17.8	89	eP	13 25 32.6	-1.7		
			pP	13 25 42.6	0.9		
			sP	13 25 45.0	-1.3		
			S	13 28 56.0	7.0		
			LN	Ms = 5.9	10.0	18.8	
			LE		10.0	13.3	
BTO	18.6	68	eP	13 25 42.8	-0.5		
			ePP	13 26 00.0	1.4		

			S	14 06 11.0	-2.4							LE			10.0	0.58
			SMN	$m_B=6.0$		7.0	2.00	BJI	46.9	345	+iP	14 01 24.5	-0.4			
			ScS	14 10 20.0	0.3						epP	14 01 44.5	0.6			
KMI	40.4	319	+P	14 00 34.0	0.9						sP	14 01 51.0	-2.4			
			pP	14 00 55.0	3.4						ePP	14 03 14.0	-1.7			
			sP	14 01 03.5	2.2						S	14 08 06.0	-2.2			
			S	14 06 29.0	-5.7						SMN	$m_B=6.1$		10.0	1.97	
			SMN	$m_B=6.0$		6.0	1.85				SME			10.0	1.32	
TIA	43.0	344	+P	14 00 54.0	-0.2						ScS	14 11 09.0	0.9			
			PMZ	$m_B=6.1$		5.0	1.48	SNY	47.2	353	+iP	14 01 27.0	-0.3			
			pP	14 01 13.5	0.5						PMZ	$m_B=6.6$		3.5	2.67	
			PcP	14 02 40.8	-2.2						pP	14 01 50.0	3.6			
			PP	14 02 34.0	-2.8						PP	14 03 14.5	-4.2			
			ScP	14 06 23.6	-1.9						ScP	14 06 41.4	-1.2			
			S	14 07 10.0	-2.8						PcS	14 06 51.2	0.1			
			SMN	$m_B=6.1$		6.5	1.18				S	14 08 10.5	-2.1			
			SME			6.5	1.41				SMN	$m_B=6.1$		6.0	0.83	
			sS	14 07 44.0	-2.4						SME			6.0	1.52	
			ScS	14 10 44.5	0.8						ScS	14 11 10.0	-0.2			
			SS	14 10 30.0	7.9						SS	14 11 36.5	2.1			
XAN	44.0	334	+iP	14 01 01.4	-0.8						LN	$M_s=5.4$		34.0	4.83	
			PMZ			1.4	0.87	LZH	48.1	331	+iP	14 01 34.5	0.3			
			sP	14 01 29.0	-1.6						PMZ			2.0	1.75	
			ePP	14 02 48.0	1.4						sP	14 02 02.0	-0.5			
			ScP	14 06 26.0	-3.4						PcS	14 06 57.0	2.3			
			S	14 07 22.0	-5.1						iS	14 08 24.0	-2.0			
			SMN	$m_B=6.4$		5.0	2.77				SMN	$m_B=6.2$		6.0	1.75	
			ScS	14 10 49.0	-0.8						ScS	14 11 16.0	0.3			
			LE	$M_s=5.2$		13.0	1.12				LE	$M_s=5.4$		14.0	1.71	
CD2	44.1	326	P	14 01 02.2	-0.3											
			sP	14 01 27.0	-3.9											
			S	14 07 22.0	-5.7											
DL2	44.6	350	+iP	14 01 07.0	0.1											
			PMZ	$m_B=6.3$		4.0	1.87									
			pP	14 01 27.0	1.2											
			sP	14 01 35.0	-0.4											
			PP	14 02 55.0	2.4											
			iS	14 07 34.0	-2.8											
			SMN	$m_B=6.4$		6.0	1.37									
			SME			6.0	3.50	HHC	49.0	341	+P	14 01 41.0	-0.3			
			LN	$M_s=5.7$		10.0	2.52				pP	14 01 57.0	-3.3			
			LE			12.0	2.05				sP	14 02 10.0	0.2			
TIY	45.9	340	+iP	14 01 16.6	-0.3						iS	14 08 36.0	-2.9			
			PMZ			3.0	2.24				SMN	$m_B=6.2$		6.0	1.50	
			sP	14 01 44.8	-0.5						SME			6.0	1.50	
			S	14 07 50.5	-3.1						sS	14 09 08.0	-3.9			
			SMN	$m_B=6.3$		7.0	1.16				ScS	14 11 24.5	2.6			
			SME			6.0	2.74				SS	14 12 02.0	-3.0			
			ScS	14 11 02.5	1.0						LN	$M_s=5.0$		10.0	0.41	
			LN	$M_s=5.2$		12.0	0.89				LE			10.0	0.35	

GTA 23.7 73 P 17 32 06.8 2.7

1985 4 21

O=17 54 27.3 ± 0.08s

LAT=22.64 S ± 2.12km

LONG=174.78 W ± 1.93km

DEPTH= 34 km ± 0.15km

STATIONS USED = 49, STAND DEV = 1.16s

GZH	83.4	298	eP	18 06 54.0	0.8
NJ2	83.5	308	eP	18 06 53.0	-1.1
			eS	18 17 15.0	2.2
MDJ	84.0	324	+P	18 06 56.8	0.3
DL2	85.3	315	eP	18 07 01.8	-1.3
SNY	85.8	319	eP	18 07 05.0	-0.3
			eS	18 17 31.0	-4.3
WHN	86.1	305	P	18 07 07.0	0.1
TIA	86.9	311	eP	18 07 11.0	0.1
BJI	89.5	314	eP	18 07 23.5	0.2
GYA	90.3	299	P	18 07 28.2	1.0
TIY	90.9	311	eP	18 07 30.0	-0.1
XAN	91.8	306	P	18 07 34.2	0.1
KMI	93.0	296	-P	18 07 41.0	1.3
HHC	93.0	313	eP	18 07 40.4	0.8
CD2	94.5	302	eP	18 07 47.4	1.2

1985 4 21

O=18 25 36.0 ± 0.11s

LAT=25.82 N ± 0.98km

LONG=102.92 E ± 0.89km

DEPTH= 11 km ± 0.31km

STATIONS USED = 11, STAND DEV = 3.26s

Ms=3.6/ 2, ML=3.2/ 5,

KMI	0.7	193	+Pg	18 25 48.0	-1.0	
			Sg	18 25 58.0	-0.5	
			SMN	ML=4.3	1.0	6.50
			SME		1.0	12.7
GYA	3.4	78	ePn	18 26 32.0	2.1	
			Sg	18 27 28.6	5.1	
			SMN	ML=3.1	1.0	0.060
			SME		1.0	0.060
CD2	5.1	8	LN	Ms=3.5	5.0	0.72
			Pn	18 26 55.3	2.1	
			LE	Ms=3.7	6.0	0.70
XAN	9.7	31	eP	18 27 54.0	-4.9	

1985 4 21

O=18 32 24.9 ± 0.11s

LAT=25.82 N ± 1.01km

LONG=102.93 E ± 0.79km

DEPTH= 9 km ± 0.36km

STATIONS USED = 14, STAND DEV = 2.67s

Ms=3.6/ 2, ML=3.3/ 7,

KMI	0.7	194	+Pg	18 32 36.5	-1.4			
			Sg	18 32 46.5	-1.0			
			SMN	ML=3.8	1.0	5.84		
			SME		1.0	0.80		
			GYA	3.4	78	Pn	18 33 20.6	1.8
			Sg	18 34 17.0	5.1			
			SMN	ML=2.9	1.0	0.040		
			SME		1.0	0.040		
			LN	Ms=3.5	5.0	0.70		
			CD2	5.1	8	Pn	18 33 43.8	1.6
						Sn	18 34 49.0	5.4
LE	Ms=3.7	7.0				0.69		
XAN	9.7	31	eP	18 34 44.2	-3.7			
WHN	11.1	62	eP	18 35 06.5	-0.9			

1985 4 22

O=03 31 35.4 ± 0.11s

LAT=39.80 N ± 1.34km

LONG=118.90 E ± 1.29km

DEPTH= 33 km ± 0.03km

STATIONS USED = 51, STAND DEV = 2.26s

Ms=4.3/ 11, ML=4.4/ 20,

BJI	2.1	277	-Pn	03 32 07.8	-1.1	
			Pg	03 32 09.4	-3.6	
			Sn	03 32 34.0	-1.4	
			SME	ML=4.8	0.5	7.40
			LN		7.0	11.2
			LE		6.0	8.64
			DL2	2.3	112	+Pn
			Pg	03 32 14.7	-1.6	
			Sn	03 32 40.4	0.3	
			SMN	ML=4.6	0.5	5.39
			SME		0.5	3.30
TIA	3.8	202	+Pn	03 32 31.2	-1.6	
			Pg	03 32 44.3	0.8	
			Sn	03 33 13.2	-5.3	
SNY	4.1	59	+iPn	03 32 37.8	1.7	
			Pg	03 32 53.4	5.6	
			Sn	03 33 25.0	0.5	
			Sg	03 33 47.8	3.9	
			SMN	ML=4.4	0.8	0.99
			SME		0.8	0.52
			TIY	5.5	250	ePn
			Pg	03 33 12.8	0.8	
			SMN	ML=4.5	1.0	0.51
			SME		0.8	0.47
HHC	5.7	283	ePn	03 32 57.0	-1.5	

			Pg	03 33 16.6	0.4				WMQ	39.5	292	P	05 29 04.0	0.3			
			Sg	03 34 28.0	-6.3												
			SMN	$M_L=4.6$		1.0	0.64			1985 4 22							
			SME			1.0	0.45			O=06 53 07.0			$\pm 0.05s$				
CN2	6.3	49	Pn	03 33 08.0	1.2					LAT=39.68 N			$+ 0.55km$				
			Pg	03 33 31.8	4.7					LONG= 97.09 E			$\pm 0.53km$				
			Sn	03 34 26.2	6.5					DEPTH= 26 km			$\pm 0.27km$				
			Sg	03 34 56.8	3.2					STATIONS USED = 13, STAND DEV = 2.04s							
			SMN	$M_L=4.7$		1.0	0.50				$M_L=4.2 / 8,$						
			SME			1.0	0.50		GTA	2.1	96	-iPg	06 53 43.4	-1.4			
BTO	6.8	280	Pg	03 33 37.0	0.4							Sg	06 54 11.4	-2.4			
			Sg	03 35 06.0	-4.1							SMN	$M_L=4.1$		0.9	1.75	
			LN	$M_s=4.3$		9.0	1.90					SME			0.5	1.19	
			LE			9.0	1.70		LZH	6.4	122	ePn	06 54 44.0	3.3			
			LZ	$M_s=4.2$		9.0	2.00					SMN	$M_L=4.1$		1.5	0.12	
SSE	8.9	167	eP	03 33 40.6	-4.0				WMQ	8.2	304	P	06 55 06.0	-0.8			
			LN	$M_s=4.4$		12.0	2.10					SMN	$M_L=4.6$		1.0	0.17	
			LE			12.0	0.90										
XAN	9.8	237	eP	03 34 03.3	5.4					1985 4 22							
			LN	$M_s=4.1$		9.0	0.63			O=07 06 05.3			$\pm 0.04s$				
			LE			10.0	0.43			LAT=39.64 N			$\pm 0.35km$				
WHN	10.0	203	eP	03 34 03.5	4.1					LONG= 97.07 E			$\pm 0.30km$				
			LG ₁	03 36 42.0	-6.1					DEPTH= 9 km			$\pm 0.34km$				
			LN	$M_s=4.1$		14.0	1.16			STATIONS USED = 6, STAND DEV = 2.54s							
LZH	12.4	257	eP	03 34 33.5	0.0					$M_L=3.9 / 4,$							
GTA	14.7	275	eP	03 35 05.0	1.5				GTA	2.1	95	-iPg	07 06 42.1	-1.1			
			LN	$M_s=4.3$		7.0	0.49					Sg	07 07 10.0	-2.1			
QZH	14.8	181	eP	03 35 10.0	5.5						SMN	$M_L=3.7$		0.5	0.80		
			LN	$M_s=4.1$		10.0	0.44					SME			0.5	0.32	
CD2	15.2	239	eP	03 35 09.2	-0.3												
GYA	16.8	221	eP	03 35 31.0	1.3					1985 4 22							
GZH	17.3	197	eP	03 35 40.0	3.6					O=09 36 54.2			$\pm 0.07s$				
			LN	$M_s=4.3$		12.0	0.64			LAT= 0.06 N			$\pm 1.02km$				
KMI	20.0	228	eP	03 36 10.5	2.4					LONG=124.32 E			$\pm 1.73km$				
WMQ	23.5	290	eP	03 36 46.0	2.1					DEPTH=112 km			$\pm 0.15km$				
			eS	03 40 54.0	1.5					STATIONS USED = 80, STAND DEV = 1.15s							
			LN	$M_s=4.7$		7.0	0.64		QZN	23.6	324	eP	09 41 57.2	1.3			
									GYA	31.3	328	+P	09 43 07.0	0.9			
												pP	09 43 34.6	4.2			
												PcP	09 45 59.0	1.8			
									WHN	31.8	344	P	09 43 11.0	0.8			
									NJ2	32.2	351	-P	09 43 14.8	0.5			
									KMI	32.5	322	eP	09 43 18.5	1.6			
									CD2	36.4	329	-iP	09 43 50.6	1.0			
									TIA	36.6	350	eP	09 43 50.3	-1.1			
									XAN	36.8	338	P	09 43 52.4	-0.6			
									DL2	38.7	357	eP	09 44 09.4	0.1			
									TIY	39.0	345	eP	09 44 11.9	-0.1			
												PMZ			0.8	0.20	
									BJI	40.5	350	eP	09 44 23.5	-0.2			

1985 4 22

O=05 21 38.0 $\pm 0.13s$
 LAT=41.49 N $\pm 0.86km$
 LONG=142.13 E $\pm 1.08km$
 DEPTH= 71 km $\pm 1.29km$
 STATIONS USED = 27, STAND DEV = 1.80s

MDJ	9.7	293	eP	05 23 58.0	0.9		
CN2	12.5	286	eP	05 24 40.0	5.1		
BJI	19.7	274	eP	05 26 01.5	-2.8		
SSE	19.8	245	eP	05 26 04.7	-0.4		
TIA	20.1	263	eP	05 26 05.9	-3.2		
GYA	32.8	254	eP	05 28 08.0	1.2		

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LZH	40.6	334	eP	09 44 24.5	-0.3		
			PMZ			1.5	0.090
SNY	41.6	359	-iP	09 44 32.6	-0.2		
HHC	42.2	346	eP	09 44 37.6	-0.6		
LSA	43.2	316	P	09 44 47.6	0.9		
CN2	43.6	1	P	09 44 47.4	-1.6		
			PcP	09 46 35.2	0.5		
GTA	45.1	333	P	09 45 01.7	0.0		
WMQ	54.4	328	eP	09 46 12.0	-0.7		

CN2	6.4	48	Pn	11 04 16.4	3.4		
			Pg	11 04 34.8	1.1		
			Sn	11 05 30.0	3.1		
			Sg	11 06 01.4	0.0		
			SMN	$M_L=4.2$	1.0	0.15	
			SME		1.0	0.14	
BTO	6.8	280	ePg	11 04 39.5	-1.5		
			Sg	11 06 10.8	-3.2		
			SMN	$M_L=4.3$	1.0	0.20	
			SME		1.0	0.12	
			SMZ	$M_L=4.6$	1.0	0.18	
SSE	8.8	167	eP	11 04 49.3	0.7		
			SME	$M_L=4.0$	1.0	0.030	
WHN	9.9	203	eP	11 05 07.5	4.4		
			LG ₁	11 07 55.0	4.9		
GTA	14.7	275	eP	11 06 14.4	6.5		
CD2	15.1	239	P	11 06 12.0	-1.4		
GYA	16.7	221	eP	11 06 37.0	3.5		

1985 4 22
 O = 11 02 40.4 ± 0.10s
 LAT = 39.72 N ± 1.28km
 LONG = 118.83 E ± 1.12km
 DEPTH = 33 km ± 0.05km
 STATIONS USED = 28, STAND DEV = 2.52s

1985 4 22
 O = 11 19 48.6 ± 0.09s
 LAT = 9.71 N ± 1.01km
 LONG = 126.83 E ± 1.72km
 DEPTH = 49 km ± 0.76km
 STATIONS USED = 20, STAND DEV = 1.82s

BJI	2.1	280	+iPn	11 03 10.8	-2.6		
			Pg	11 03 14.5	-2.9		
			Sg	11 03 41.0	-5.0		
			SMN	$M_L=4.2$	0.5	1.80	
			SME		0.5	2.00	
			LN		8.0	2.00	
			LE		6.5	2.30	

SSE	21.9	347	eP	11 24 39.5	-0.1		
WHN	23.8	332	P	11 24 59.0	1.2		
XAN	29.3	329	eP	11 25 45.8	-3.0		
BJI	31.7	344	eP	11 26 13.5	3.6		
HHC	33.8	339	eP	11 26 27.8	-1.1		
BTO	34.2	337	eP	11 26 30.8	-1.1		

DL2	2.3	110	Pn	11 03 17.0	0.3		
			Pg	11 03 18.6	-3.0		
			Sn	11 03 44.3	-1.1		
			SMN	$M_L=3.7$	0.7	0.53	
			SME		0.7	0.52	

1985 4 22
 O = 11 57 01.7 ± 0.11s
 LAT = 39.74 N ± 1.40km
 LONG = 118.77 E ± 1.22km
 DEPTH = 31 km ± 0.21km
 STATIONS USED = 32, STAND DEV = 2.71s
 Ms = 3.8 / 4, $M_L=4.2/22$,

TIA	3.8	202	ePn	11 03 35.4	-1.1		
			ePg	11 03 49.8	2.9		
			Sg	11 04 32.0	-6.3		
			SMN	$M_L=3.5$	0.5	0.10	
			SME		0.5	0.14	
			SMZ	$M_L=3.7$	0.5	0.13	

BJI	2.0	279	iPn	11 57 33.2	-0.9		
			Pg	11 57 36.2	-1.5		
			Sg	11 58 01.5	-4.0		
			SME	$M_L=4.5$	0.5	3.63	
			LN		7.0	3.35	
			LE		7.0	3.25	
DL2	2.4	110	+Pn	11 57 38.0	-1.0		
			Pg	11 57 40.2	-3.7		
			Sn	11 58 05.8	-2.6		
			SMN	$M_L=4.0$	0.7	1.14	
			SME		0.7	0.83	

SNY	4.2	58	ePn	11 03 43.1	0.9		
			Pg	11 03 56.1	1.8		
			Sn	11 04 28.4	-3.1		
			Sg	11 04 52.3	0.8		
			SMN	$M_L=4.0$	0.8	0.35	
			SME		1.0	0.17	

TIY	5.4	250	ePn	11 03 58.4	-0.7		
			Pg	11 04 15.1	-0.6		
			Sg	11 05 21.2	-8.3		
			SMN	$M_L=4.1$	1.0	0.13	
			SME		1.0	0.24	

HHC	5.7	284	Pg	11 04 22.3	1.3		
			Sg	11 05 35.2	-3.2		
			SMN	$M_L=4.2$	1.5	0.21	
			SME		1.5	0.18	

TIA	3.8	201	+Pn	11 57 56.3	-1.7					BJI	33.4	316	eP	13 39 13.0	-1.2				
			Pg	11 58 07.0	-1.2					GYA	37.0	290	eP	13 39 46.4	1.8				
			Sn	11 58 50.6	7.8					CD2	40.0	296	eP	13 40 10.8	1.3				
			SMN	$M_L = 3.7$		0.6	0.18			WMQ	54.6	311	eP	13 42 03.2	0.3				
			SME			0.6	0.21			1985 4 22									
			SMZ	$M_L = 3.8$		0.6	0.17			O=20 41 24.3				± 0.09s					
SNY	4.2	59	ePn	11 58 04.4	0.2					LAT=59.92 N				± 1.03km					
			Pg	11 58 21.8	5.7					LONG=153.37 W				± 0.66km					
			Sn	11 58 51.3	-2.6					DEPTH=145 km				± 0.76km					
			Sg	11 59 13.8	0.1					STATIONS USED = 21, STAND DEV = 1.61s									
			SMN	$M_L = 4.2$		0.8	0.52			CN2	49.3	289	-P	20 50 00.8	-0.4				
			SME			0.8	0.38			BJI	56.6	293	eP	20 50 54.5	-0.4				
TIY	5.4	250	ePn	11 58 20.4	0.4					NJ2	61.8	286	-P	20 51 29.7	-0.8				
			Pg	11 58 36.9	0.6					GTA	64.3	305	P	20 51 47.4	0.0				
			Sn	11 59 19.0	-3.3					XAN	64.8	295	eP	20 51 49.6	-1.1				
			Sg	11 59 42.2	-7.4					CD2	69.8	297	-iP	20 52 21.8	0.0				
			SMN	$M_L = 4.2$		0.8	0.17			GYA	72.3	292	P	20 52 36.4	-0.1				
			SME			0.9	0.26			1985 4 23									
HHC	5.6	284	Pg	11 58 40.6	-0.7					O=07 00 46.2				± 0.02s					
			Sg	11 59 55.2	-2.7					LAT=25.80 N				± 0.12km					
			SMN	$M_L = 4.3$		1.2	0.22			LONG=102.79 E				± 0.16km					
			SME			1.4	0.26			DEPTH= 4 km				± 0.05km					
CN2	6.4	49	Pn	11 58 36.8	2.0					STATIONS USED = 5, STAND DEV = 1.64s									
			Pg	11 58 55.4	0.0					$M_L = 3.0 / 5,$									
			Sn	11 59 51.6	2.5					KMI	0.7	184	-Pg	07 00 58.0	-0.4				
			Sg	12 00 22.0	-1.4								Sg	07 01 08.0	0.7				
			SMN	$M_L = 4.5$		1.0	0.26						SMN	$M_L = 3.8$		1.0	2.60		
			SME			1.0	0.32						SME		1.0	4.00			
BTO	6.8	280	ePg	11 59 01.0	-0.4					CD2	5.2	9	Pn	07 02 05.8	1.3				
			Sg	12 00 32.0	-1.6								Pg	07 02 16.3	-1.0				
			LN	$M_s = 3.9$		9.0	0.60						Sg	07 03 30.6	2.7				
			LE			9.0	0.70						SMN	$M_L = 3.0$		1.0	0.020		
			LZ	$M_s = 3.9$		9.0	0.90						SME		0.6	0.010			
SSE	8.8	166	eP	11 59 09.0	-1.5					1985 4 23									
			LN	$M_s = 3.8$		12.0	0.66			O=07 15 54.4				± 0.09s					
GTA	14.6	275	eP	12 00 29.4	0.7					LAT=40.20 N				± 0.86km					
			SMN			1.4	0.030			LONG= 77.51 E				± 0.84km					
CD2	15.1	239	P	12 00 33.4	-1.1					DEPTH= 13 km				± 0.20km					
GYA	16.7	221	eP	12 01 01.0	6.2					STATIONS USED = 5, STAND DEV = 2.83s									
WMQ	23.5	290	eP	12 02 15.2	5.5					$M_L = 3.4 / 6,$									
1985 4 22										KSH	1.4	238	iPg	07 16 18.9	-0.3				
O=13 32 49.1													Sg	07 16 38.0	-0.2				
LAT=18.50 N													SMN	$M_L = 4.1$		0.2	3.00		
LONG=145.89 E													SME		0.2	2.32			
DEPTH=166 km										1985 4 23									
STATIONS USED = 22, STAND DEV = 1.35s										O=08 11 09.6				± 0.11s					
SSE	25.6	304	P	13 38 06.8	1.7														
			pP	13 38 35.5	-2.9														
			sS	13 43 16.0	-1.9														

April, 1985

LAT = 19.66 N ± 1.28km
 LONG = 146.76 E ± 1.99km
 DEPTH = 70 km ± 0.54km
 STATIONS USED = 23, STAND DEV = 1.53s
 Ms = 4.4 / 3,

SSE	25.7	301	P	08 16 34.0	-1.1		
			LZ			Ms = 4.4	16.0 0.57
DL2	29.0	317	eP	08 17 05.0	0.1		
SNY	29.6	323	eP	08 17 10.0	-0.4		
			eS	08 21 56.0	-3.3		
			LE			Ms = 4.4	19.0 0.53
CN2	30.0	328	eP	08 17 15.2	1.4		
			eS	08 22 07.0	1.7		
			LZ			Ms = 4.7	11.0 0.60
XAN	36.5	301	eP	08 18 07.4	-2.6		
HHC	36.7	313	eP	08 18 11.6	-0.2		
			SS	08 26 20.0	0.7		
GYA	37.4	288	eP	08 18 18.6	0.6		
KMI	40.9	286	eP	08 18 48.5	1.1		
LZH	41.0	303	eP	08 18 48.0	0.4		
GTA	44.8	307	P	08 19 18.5	-0.1		
WMQ	54.5	310	P	08 20 37.5	4.8		

1985 4 23
 O = 16 15 11.0 ± 0.07s
 LAT = 15.37 N ± 0.97km
 LONG = 120.73 E ± 1.26km
 DEPTH = 184 km ± 0.42km
 STATIONS USED = 123, STAND DEV = 1.22s
 m_B = 6.8 / 40

QZH	9.7	348	+iP	16 17 28.0	0.0		
			PMZ			m _B = 7.0	7.0 56.2
			S	16 19 13.0	-1.8		
			SMN			m _B = 7.0	9.0 33.3
			SME				9.0 81.6
			LN				14.0 50.8
			LE				14.0 33.4
GZH	10.4	319	P	16 17 36.6	0.4		
			iS	16 19 35.0	5.0		
QZN	11.0	291	-iP	16 17 45.5	0.8		
			PMZ			m _B = 6.8	9.0 37.2
			sP	16 18 32.0	2.6		
			iS	16 19 48.0	2.7		
			LN				18.0 367
			LE				18.0 116
SSE	15.7	1	+iP	16 18 44.0	0.7		
			PMZ			m _B = 7.1	7.0 50.2
			sP	16 19 32.0	0.4		
			iS	16 21 38.0	6.5		
			SS	16 22 00.0	-3.6		

			PcS	16 27 03.0	-3.8		
			LE				18.0 30.9
WHN	16.2	340	P	16 18 51.5	1.6		
			PMZ			m _B = 6.4	6.0 9.78
			SME			m _B = 7.0	10.0 63.0
NJ2	16.7	354	-iP	16 18 58.0	2.2		
			PMZ			m _B = 7.1	5.0 36.1
			sP	16 19 42.0	-3.0		
			iS	16 22 00.0	5.4		
GYA	17.1	312	-P	16 19 02.0	0.8		
			PMZ			m _B = 7.1	5.0 37.1
			S	16 22 10.0	6.3		
			SMN			m _B = 7.2	9.0 66.0
			SME				9.0 70.0
			LN				12.0 95.0
			LE				12.0 64.0
			LZ				12.0 82.5
KMI	19.4	303	-P	16 19 27.0	1.1		
			PMZ			m _B = 7.0	7.0 34.5
			sP	16 20 16.0	-3.7		
			S	16 23 00.0	9.6		
TIA	21.0	352	-P	16 19 42.1	0.7		
			PMZ			m _B = 6.5	5.5 9.08
			sP	16 20 38.0	0.3		
			S	16 23 21.0	2.1		
			SMN			m _B = 7.5	6.0 127
			ScP	16 27 00.0	0.4		
			ScS	16 30 44.5	2.4		
XAN	21.4	332	-iP	16 19 44.8	-0.8		
			PMZ			m _B = 6.9	6.0 25.2
			sP	16 20 46.0	3.8		
			iS	16 23 28.0	0.7		
			ScS	16 30 43.4	-0.2		
CD2	21.9	318	eP	16 19 50.4	-0.1		
			PMZ			m _B = 7.2	6.0 47.7
			sP	16 20 49.5	2.3		
			iS	16 23 41.5	5.4		
			SMN			m _B = 7.0	8.0 50.0
			LE				12.0 121
TIY	23.4	343	iP	16 20 05.0	-0.1		
			PMZ			m _B = 6.8	6.0 15.2
			pP	16 20 39.0	-1.3		
			PP	16 20 51.0	5.1		
			PPMZ				6.0 26.4
			iS	16 24 04.0	2.1		
			SMN			m _B = 6.9	8.0 25.6
			SME				8.0 29.3
			SS	16 25 06.5	-2.5		
DL2	23.5	2	-P	16 20 05.3	0.1		
			PMZ			m _B = 6.5	5.0 7.80

			pP	16 20 41.0	0.4				S	16 25 25.0	-0.8			
			sP	16 21 04.0	1.4				SMN	$m_B=6.7$		6.5	19.6	
			S	16 24 03.0	1.6				SME			6.5	21.9	
			SMN	$m_B=7.2$		6.0	56.0	MDJ	30.1	13	-P	16 21 05.0	-0.9	
			SME			6.0	32.8		PMZ	$m_B=6.8$		4.0	7.71	
			SS	16 25 12.0	2.4				pP	16 21 43.0	-0.3			
BJI	24.9	352	cP	16 20 18.0	-0.8				sP	16 22 00.0	-4.7			
			PMZ	$m_B=6.6$		6.0	9.87		PP	16 22 13.0	1.6			
			pP	16 20 56.0	1.2				iS	16 25 49.0	-1.0			
			sP	16 21 17.0	0.4				SME	$m_B=6.6$		7.0	28.7	
			S	16 24 27.0	1.5			GTA	30.2	327	-iP	16 21 06.5	0.0	
			SMN			15.0	123		PMZ	$m_B=4.8$		6.0	0.13	
			sS	16 25 37.0	7.2				sP	16 22 03.0	-2.2			
			SS	16 25 44.0	0.2				S	16 25 49.5	-0.4			
			LN			16.0	27.0		SME	$m_B=6.3$		8.5	15.4	
LZH	25.6	327	-iP	16 20 25.0	-0.1			LSA	30.7	303	-iP	16 21 11.5	-0.1	
			PMZ			1.5	2.75		PMZ	$m_B=6.7$		6.5	10.4	
			ipP	16 21 04.0	2.8				sP	16 22 07.0	-3.1			
			iS	16 24 32.0	-5.4				iS	16 26 00.0	-0.3			
			SME	$m_B=6.4$		12.0	28.2		SME	$m_B=6.2$		6.0	9.79	
			isS	16 25 42.0	0.7			WMQ	39.9	322	-iP	16 22 29.5	0.4	
			LN			10.0	153		PMZ	$m_B=6.8$		6.0	16.5	
			LE			10.0	133		sP	16 23 30.0	1.0			
SNY	26.5	5	-iP	16 20 33.0	-0.3				PP	16 24 07.0	-0.1			
			PMZ	$m_B=6.8$		4.0	8.54		ScP	16 28 02.0	1.3			
			pP	16 21 07.0	-3.1				iS	16 28 19.0	-1.3			
			sP	16 21 28.0	-3.7				SMN	$m_B=6.5$		10.0	12.4	
			S	16 24 50.0	-1.4				LN			17.0	165	
			SME	$m_B=6.4$		7.0	15.8	KSH	45.8	311	-iP	16 23 19.0	2.3	
			SS	16 26 18.0	-2.5				sP	16 24 20.0	2.9			
			ScS	16 31 05.0	1.4				PP	16 25 12.0	5.7			
HHC	26.6	344	-P	16 20 34.4	-0.3				iS	16 29 50.5	4.5			
BTO	26.8	342	-iP	16 20 36.0	-0.5				SMN	$m_B=6.9$		9.0	19.2	
			PMZ	$m_B=6.7$		6.0	10.0		LE			15.0	64.5	
			pP	16 21 13.0	-0.2									
			sP	16 21 35.0	0.2									
			S	16 25 00.0	3.3									
			SMN	$m_B=6.3$		9.0	11.8							
			SME			9.0	13.2							
			sS	16 26 05.0	2.5									
			SS	16 26 32.0	3.9									
			ScP	16 27 17.0	1.7									
			LN			12.0	21.0	QZN	27.7	357	cP	22 16 28.7	2.8	
			LE			12.0	21.9				cS	22 21 06.5	2.2	
			LZ			12.0	24.2				SS	22 22 25.5	1.9	
CN2	28.6	7	-iP	16 20 51.6	-1.1						LE	$M_s=4.9$	19.0	2.10
			PMZ	$m_B=6.4$		5.0	3.80	GZH	31.7	4	cP	22 17 03.0	1.0	
			pP	16 21 28.0	-1.9						cS	22 22 16.0	7.4	
			PP	16 21 51.0	-1.9			QZH	34.3	12	cP	22 17 23.0	-0.9	
			PPMZ			6.0	22.3				cS	22 22 45.0	-3.0	

1985 4 23

O = 22 10 38.5 ± 0.09s

LAT = 8.78 S ± 1.65km

LONG = 111.32 E ± 1.76km

DEPTH = 33 km ± 0.17km

STATIONS USED = 82, STAND DEV = 1.36s

$M_s=5.0/17,$ $m_B=5.6/3$

QZN 27.7 357 cP 22 16 28.7 2.8

cS 22 21 06.5 2.2

SS 22 22 25.5 1.9

LE $M_s=4.9$ 19.0 2.10

GZH 31.7 4 cP 22 17 03.0 1.0

cS 22 22 16.0 7.4

QZH 34.3 12 cP 22 17 23.0 -0.9

cS 22 22 45.0 -3.0

			PMZ		16.0	7.17				LN	$M_s=6.2$	16.0	50.0		
			pP	01 10 45.0	-0.8				TIY	22.3	342	+P	01 12 12.0	1.1	
			sP	01 10 49.0	-1.5							PMZ	$m_B=6.1$	4.0	3.90
			iS	01 13 20.0	0.9							sP	01 12 27.5	3.9	
			sS	01 13 28.0	-2.2							S	01 16 15.0	5.9	
			SS	01 13 37.0	1.4							SMN	$m_B=6.8$	10.0	26.0
			LN	$M_s=6.2$		16.0	21.6					SME		10.0	22.0
			LE			14.0	91.7					LN	$M_s=6.4$	16.0	42.3
WHN	15.1	338	eP	01 10 49.0	1.6							LE		16.0	56.8
			isP	01 11 02.6	3.4				BJI	23.7	351	eP	01 12 26.0	1.5	
			S	01 13 41.0	6.8							PMZ	$m_B=6.2$	4.0	4.42
			iSS	01 14 00.0	8.1							esP	01 12 38.0	0.6	
			LN	$M_s=6.2$		13.0	56.5					eS	01 16 35.0	0.3	
			LE			13.0	44.7					SMN		13.0	39.8
			LZ	$M_s=6.2$		14.0	75.1					SME		12.0	34.2
NJ2	15.5	354	+P	01 10 51.5	-0.9							esS	01 16 50.0	0.9	
			S	01 13 45.0	1.6							LE	$M_s=6.3$	16.5	54.1
			LE	$M_s=6.2$		14.0	82.2		LZH	24.6	325	eP	01 12 34.5	1.1	
GYA	16.5	309	-P	01 11 06.0	1.5							PMZ		2.0	1.08
			sP	01 11 21.0	4.7							sP	01 12 50.0	4.0	
			S	01 14 10.0	5.0							eS	01 16 52.0	1.5	
			sS	01 14 26.0	8.8							esS	01 17 04.0	-0.5	
			LN	$M_s=6.4$		12.0	75.0					LE	$M_s=7.1$	14.0	245
			LE			12.0	34.0		SNY	25.3	5	+iP	01 12 38.5	-0.9	
KMI	18.9	300	-iP	01 11 37.0	1.5							PMZ		3.0	3.50
			PMZ	$m_B=6.5$		6.0	14.9					sP	01 12 52.0	-0.3	
			pP	01 11 46.0	3.3							PP	01 13 17.0	-0.8	
			eS	01 15 10.0	7.6							iS	01 16 59.0	-1.9	
			LN	$M_s=6.4$		11.0	69.8					SMN		16.0	34.6
TIA	19.9	351	+P	01 11 45.2	-0.1							SME		15.0	7.45
			sP	01 11 58.5	0.6							LE	$M_s=6.4$	14.0	57.9
			SMN	$m_B=6.8$		10.0	26.1		HHC	25.5	343	eP	01 12 42.0	0.4	
			SME			10.0	29.5					PMZ	$m_B=6.3$	6.0	4.23
			LN	$M_s=6.0$		16.0	37.8					pP	01 12 51.0	0.7	
			LZ	$M_s=6.0$		19.5	48.1					LN	$M_s=6.3$	14.0	36.0
XAN	20.5	331	eP	01 11 51.2	-0.5							LE		14.0	21.2
			S	01 15 40.0	6.3							LZ	$M_s=6.2$	14.0	29.0
			SMN			14.0	32.5		BTO	25.7	341	eP	01 12 43.0	-0.7	
			SME			14.0	45.6					sP	01 12 58.0	1.5	
CD2	21.2	316	P	01 11 59.4	0.4							PP	01 13 22.5	-1.0	
			pP	01 12 09.5	2.0							S	01 17 03.5	-3.9	
			S	01 15 54.0	7.0							sS	01 17 19.0	-3.9	
			SMN			18.0	46.3					LN	$M_s=6.4$	13.0	35.9
			SME			18.0	39.8					LE		13.0	32.1
			LN	$M_s=6.9$		12.0	157					LZ	$M_s=6.1$	13.0	22.0
			LE			12.0	137		CN2	27.4	7	+P	01 12 56.8	-2.5	
DL2	22.3	2	+P	01 12 10.0	-0.1							PMZ	$m_B=5.9$	5.0	1.30
			PMZ	$m_B=5.7$		5.0	1.77					pP	01 13 06.0	-2.2	
			sP	01 12 23.0	0.1							PP	01 13 40.0	-6.8	
			S	01 16 08.0	0.2							PPMZ		5.5	1.80

			S	01 17 31.0	-4.2				LZ	Ms=5.3	11.0	17.0
			SMN	m _B =6.4	10.0	8.60	LZH	11.9 32	eP	06 50 34.0	-0.1	
			SME		10.0	2.00			PMZ		1.5	0.070
			LN	Ms=6.5	13.0	31.5			epP	06 50 42.0	1.8	
			LE		13.0	43.2			LN	Ms=5.5	12.0	10.1
MDJ	28.9	13	eP	01 13 11.2	-1.5				LE		12.0	16.6
			PMZ			3.0	1.99	GTA	13.5 13	eP	06 50 54.4	-1.7
			sP	01 13 25.0	-0.6				LG ₁	06 54 54.0	6.0	
			PP	01 14 06.0	0.0				LE	Ms=5.3	10.0	8.48
			eS	01 17 55.0	-5.0			XAN	13.6 52	eP	06 50 53.6	-3.1
			sS	01 18 14.0	-1.0				pP	06 51 03.2	0.2	
			SS	01 19 21.0	-7.2				sP	06 51 09.5	2.2	
			LZ	Ms=6.2	16.0	29.9	GZH	16.0 97	eP	06 51 30.6	2.2	
GTA	29.2	325	P	01 13 16.3	0.6				eS	06 54 32.0	6.7	
			S	01 18 11.5	7.2				LN	Ms=5.1	10.0	3.80
			LE	Ms=6.7	14.0	76.7	WHN	16.7 71	+P	06 51 36.0	-0.5	
LSA	30.2	301	eP	01 13 23.5	-0.9				ipP	06 51 45.5	2.3	
			PP	01 14 20.0	-2.5				isP	06 51 50.0	2.6	
			S	01 18 20.0	0.7				iS	06 54 38.0	-2.3	
			LN	Ms=6.0	13.0	9.71			SS	06 55 00.0	0.2	
			LE			15.5	11.4		LE	Ms=5.5	13.0	11.0
WMQ	39.1	321	P	01 14 42.3	2.2				LZ	Ms=5.7	12.0	17.5
			S	01 20 32.0	-4.3			TIY	18.0 46	P	06 51 52.6	-0.6
			LN	Ms=7.1	13.0	117			PMZ		0.8	0.040
KSH	45.1	310	eP	01 15 32.0	2.1				pP	06 52 03.0	3.2	
			eS	01 22 12.0	4.9				S	06 55 09.0	-0.8	
			LE	Ms=6.8	16.0	63.0			SS	06 55 32.0	-0.7	
									LN	Ms=5.1	12.0	3.60
								BTO	18.5 36	eP	06 51 58.0	-0.9
									pP	06 52 06.0	0.5	
									sP	06 52 10.0	0.3	
									S	06 55 15.0	-5.2	
									sS	06 55 30.0	-1.6	
									SS	06 55 39.0	-5.2	
									LN	Ms=5.6	12.0	9.60
									LE		12.0	6.10
									LZ	Ms=5.5	12.0	9.60
LSA	5.6	310	Pn	06 49 10.7	5.9			WMQ	18.8 341	P	06 52 04.5	0.9
			Sn	06 50 06.0	-3.2				eS	06 55 24.5	-5.1	
			LN	Ms=5.0	6.0	7.66			sS	06 55 40.0	-0.1	
			LE			6.0	7.99		LN	Ms=5.2	13.0	3.69
KMI	6.1	99	ePn	06 49 17.0	4.4				LE		12.0	2.59
			Sn	06 50 32.0	8.3							
			LE	Ms=5.2	8.0	19.9						
CD2	8.2	54	P	06 49 45.0	1.2			HHC	19.5 38	+iP	06 52 09.6	-1.2
			S	06 51 18.0	1.3				pP	06 52 18.0	0.5	
			LN	Ms=5.6	5.0	18.4			eS	06 55 41.0	-2.6	
GYA	9.5	86	-P	06 50 03.0	1.2				SMN	m _B =5.6	8.0	1.21
			S	06 51 49.0	0.3				SME		7.0	1.76
			SMN	m _B =5.5	5.0	3.00			sS	06 55 48.0	-6.1	
			LN	Ms=5.2	11.0	8.20			LN	Ms=5.3	14.0	6.97
			LE			11.0	11.5		LZ	Ms=5.4	12.0	7.72

1985 4 24

O=06 47 42.8 ± 0.10s

LAT=26.21 N ± 1.36km

LONG=96.05 E ± 1.26km

DEPTH=26 km ± 0.17km

STATIONS USED =104, STAND DEV = 2.08s

Ms=5.4/33,

m_B=5.6/5

				STATIONS USED = 74, STAND DEV = 1.15			
				$m_B = 5.3 / 2$			
	PMZ		$m_B = 5.7$	6.0	0.60		
	pP	12 25	47.0	-1.6			
	sP	12 26	01.0	-1.7			
	cPP	12 27	22.0	-1.9			
	S	12 32	40.0	-2.5			
	LZ			13.0	0.80		
KMI	54.6	306	cP	12 25	26.0	0.2	
BJI	54.8	329	cP	12 25	27.5	0.4	
XAN	54.9	319	cP	12 25	26.4	-1.6	
	pP	12 25	56.0	-0.6			
	S	12 33	00.0	2.9			
	SMN		$m_B = 5.4$	7.0	0.41		
	sS	12 33	52.0	3.6			
TIY	55.1	325	cP	12 25	30.3	0.5	
	sP	12 26	10.5	-2.1			
	S	12 33	01.5	1.1			
	SME		$m_B = 4.9$	9.0	0.17		
	sS	12 33	57.0	5.3			
CD2	56.7	313	cP	12 25	41.0	0.3	
HHC	57.8	327	cP	12 25	48.0	-0.7	
BTO	58.5	326	cP	12 25	53.0	-0.5	
	pP	12 26	22.0	-0.4			
	eS	12 33	42.0	-3.8			
	sS	12 34	35.0	-1.1			
LZH	59.4	318	cP	12 26	00.5	0.2	
	epP	12 26	29.0	-0.2			
	eS	12 33	58.0	-0.5			
	sS	12 34	54.0	5.1			
GTA	63.9	319	cP	12 26	30.3	-0.1	
LSA	65.8	306	cP	12 26	39.4	-3.4	
WMQ	74.0	319	cP	12 27	32.8	0.5	
	pP	12 28	02.0	-0.3			

1985 4 24

O = 17 05 15.8 ± 0.07s
 LAT = 36.27 N ± 1.91km
 LONG = 141.92 E ± 1.43km
 DEPTH = 45 km ± 0.79km

STATIONS USED = 17, STAND DEV = 1.84s

MDJ	12.5	315	cP	17 08	16.5	2.1
CN2	14.7	306	cP	17 08	43.0	0.6
XAN	27.0	275	cP	17 10	54.5	-1.4
GYA	31.5	262	P	17 11	35.4	-0.8
CD2	32.1	272	cP	17 11	41.4	0.1

1985 4 24

O = 18 17 56.2 ± 0.06s
 LAT = 36.42 N ± 1.14km
 LONG = 70.64 E ± 0.89km
 DEPTH = 211 km ± 0.12km

1985 4 24
 O = 20 01 13.7 ± 0.22s
 LAT = 15.52 N ± 2.57km
 LONG = 121.27 E ± 2.63km
 DEPTH = 32 km ± 0.52km
 STATIONS USED = 31, STAND DEV = 2.42s

GZH	10.6	316	cP	20 03	47.0	0.3
QZN	11.5	289	cP	20 03	53.8	-4.5
GYA	17.4	311	cP	20 05	16.0	-0.3
TIA	20.9	351	cP	20 05	54.3	-2.1
XAN	21.5	331	cP	20 06	01.5	-1.1
CD2	22.2	317	cP	20 06	11.2	2.4
TIY	23.4	342	cP	20 06	21.8	0.4
BJI	24.8	351	cP	20 06	34.5	-0.2
LZH	25.7	326	cP	20 06	43.5	0.1
SNY	26.3	4	cP	20 06	48.8	0.3
HHC	26.6	343	cP	20 06	57.0	5.4
BTO	26.8	341	cP	20 06	54.6	1.0

CN2	28.4	6	eP	20 07 11.2	3.4
MDJ	29.8	12	eP	20 07 19.5	-1.1
1985 4 24					
O = 22 06 47.6 ± 0.07s					
LAT = 55.05 N ± 1.83km					
LONG = 158.51 W ± 1.07km					
DEPTH = 34 km ± 0.63km					
STATIONS USED = 51, STAND DEV = 1.29s					
MDJ	45.6	288	eP	22 15 05.2	-1.4
CN2	48.4	290	+iP	22 15 28.5	0.0
SNY	50.7	289	+iP	22 15 42.0	-4.5
BJI	55.9	293	eP	22 16 25.0	-0.2
BTO	58.7	297	eP	22 16 45.0	-0.3
TIY	59.6	293	eP	22 16 51.6	0.3
XAN	64.3	293	P	22 17 22.4	0.0
GTA	64.7	303	+iP	22 17 25.7	0.2
LZH	65.3	298	eP	22 17 30.0	0.7
WMQ	66.7	314	+P	22 17 38.0	0.2
CD2	69.4	295	eP	22 17 55.5	0.5
GYA	71.4	290	-P	22 18 08.0	0.9

1985 4 25					
O = 00 57 05.7 ± 0.07s					
LAT = 49.99 N ± 1.08km					
LONG = 78.90 E ± 0.91km					
DEPTH = 0 km					
STATIONS USED = 97, STAND DEV = 1.05s					
Ms = 4.8 / 9,					
WMQ	8.6	132	+iP	00 59 14.0	-0.9
			LE		3.0 7.88
KSH	10.7	192	eP	00 59 44.0	-0.2
GTA	18.2	118	P	01 01 21.1	-0.7
			LN	Ms = 4.8	6.0 0.90
LSA	22.3	151	+P	01 02 07.8	0.8
LZH	22.8	118	+iP	01 02 12.0	0.3
			PMZ		1.5 0.62
			eS	01 06 18.0	0.6
			LE	Ms = 4.7	9.0 0.74
HHC	24.5	99	P	01 02 29.9	1.5
			pP	01 02 37.5	5.5
			LN	Ms = 5.2	10.0 1.50
			LE		10.0 2.30
			LZ	Ms = 5.3	10.0 3.22
CD2	26.7	126	+iP	01 02 49.6	1.2
			PMZ		0.7 0.40
TIY	26.9	104	+P	01 02 51.4	0.8
BJI	27.9	97	eP	01 03 00.5	0.7
			LN	Ms = 4.9	12.5 0.73
			LE		12.0 0.97

TIA	30.8	102	+P	01 03 25.7	0.3
			LN	Ms = 4.6	10.0 0.27
			LE		10.0 0.32
			LZ	Ms = 4.7	10.0 0.54
KMI	30.9	135	+P	01 03 27.0	-0.3
CN2	32.0	83	+iP	01 03 36.0	-0.2
			pP	01 03 42.4	2.3
			S	01 08 46.0	-1.0
			LN	Ms = 5.0	9.0 0.60
			LE		9.0 0.70
WHN	32.9	113	+iP	01 03 43.0	-1.0
MDJ	34.2	79	+iP	01 03 55.0	-0.9
NJ2	34.6	106	+P	01 03 58.8	0.2
			PcP	01 06 32.5	-0.6
			LZ	Ms = 4.8	10.0 0.60
GZH	38.0	122	+iP	01 04 28.2	0.5
QZN	39.5	130	+iP	01 04 41.2	0.7
QZH	39.5	114	eP	01 04 40.8	0.2

1985 4 25					
O = 03 10 05.6 ± 0.06s					
LAT = 46.63 N ± 2.38km					
LONG = 154.08 E ± 1.26km					
DEPTH = 29 km ± 0.53km					
STATIONS USED = 57, STAND DEV = 1.24s					
Ms = 4.5 / 6,					
MDJ	17.2	272	eP	03 14 06.5	0.5
			S	03 17 13.0	-1.8
			SS	03 17 34.0	-2.0
			LN	Ms = 4.3	12.0 0.70
CN2	20.3	272	eP	03 14 38.0	-4.3
SNY	22.3	269	-P	03 15 01.6	-0.8
			LN	Ms = 4.8	13.0 1.07
			LE		14.0 1.23
BJI	28.1	270	eP	03 16 00.0	2.3
			LN	Ms = 4.5	13.0 0.55
NJ2	30.6	254	eP	03 16 19.5	-0.1
			pP	03 16 30.2	2.1
			LZ	Ms = 4.5	16.0 0.50
TIY	31.8	269	P	03 16 31.0	0.6
			S	03 21 39.0	2.0
			LN	Ms = 4.4	12.0 0.29
WHN	34.5	257	P	03 16 54.0	0.0
			pP	03 17 05.0	2.4
XAN	36.2	266	eP	03 17 07.6	-0.4
LZH	38.6	273	P	03 17 29.0	0.9
			PMZ		1.0 0.080
GTA	39.6	280	P	03 17 38.2	1.1
			PcP	03 19 44.9	1.3
			LE	Ms = 4.7	12.0 0.40

CD2	41.5	266	P	03 17 53.4	0.8
GYA	42.3	259	P	03 17 59.8	0.5
			pP	03 18 10.0	2.2
			S	03 24 10.0	-7.5
WMQ	45.6	292	eP	03 18 28.4	2.8
KMI	45.9	260	eP	03 18 28.5	0.5
LSA	50.9	274	eP	03 19 09.0	1.5

1985 4 25

O=04 58 41.1 ± 0.05s

LAT=29.31 N ± 1.29km

LONG= 52.56 E ± 0.92km

DEPTH= 11 km ± 0.53km

STATIONS USED = 27, STAND DEV = 1.29s

KSH	21.8	56	eP	05 03 38.0	2.8
GTA	39.9	62	P	05 06 17.7	0.3
GYA	47.6	80	eP	05 07 20.0	0.7
XAN	47.7	69	eP	05 07 18.6	-1.7

1985 4 25

O=13 48 58.5 ± 0.09s

LAT=56.10 N ± 2.49km

LONG=164.54 E ± 1.52km

DEPTH= 33 km ± 0.03km

STATIONS USED = 43, STAND DEV = 1.41s

Ms=5.0 / 4,

CN2	27.6	260	+P	13 54 42.3	-3.0
SNY	29.9	259	eP	13 55 04.2	-2.0
			LN	Ms=5.0	17.0 1.47
			LE		17.0 1.29
DL2	33.0	257	eP	13 55 32.0	-1.5
BTO	38.3	270	eP	13 56 20.0	1.5
NJ2	39.7	252	eP	13 56 30.6	1.1
			LE	Ms=4.8	14.0 0.68
XAN	43.6	264	eP	13 57 00.8	-1.1
GTA	44.8	277	+iP	13 57 12.8	0.8
			LN	Ms=5.1	17.5 1.16
LZH	44.9	270	eP	13 57 16.0	3.2
WMQ	48.4	290	P	13 57 41.0	0.9
CD2	48.8	265	P	13 57 43.3	0.1
GYA	50.6	259	eP	13 57 59.0	1.7
KMI	53.9	262	eP	13 58 23.0	1.5
QZN	54.9	251	eP	13 58 31.4	2.4
LSA	56.8	275	+P	13 58 43.7	0.7

1985 4 25

O=14 10 27.2 ± 0.11s

LAT= 8.50 N ± 1.43km

LONG= 93.70 E ± 1.65km

DEPTH= 33 km ± 0.07km

STATIONS USED = 25, STAND DEV = 1.93s					
KMI	18.6	26	eP	14 14 46.5	1.7
LSA	21.2	354	+P	14 15 11.5	-1.7
GYA	21.7	33	eP	14 15 23.4	5.9
CD2	24.2	21	eP	14 15 42.4	0.4
XAN	29.0	27	eP	14 16 24.0	-2.7
GTA	31.3	9	P	14 16 45.8	-0.9
WMQ	35.6	353	P	14 17 23.0	-0.9

1985 4 25

O=14 14 58.8 ± 0.07s

LAT= 7.74 S ± 1.63km

LONG=108.05 E ± 1.76km

DEPTH= 85 km ± 0.64km

STATIONS USED = 68, STAND DEV = 1.41s

QZN	26.7	4	eP	14 20 38.0	6.0
KMI	33.1	351	eP	14 21 30.0	0.9
GYA	34.0	358	eP	14 21 38.2	1.0
WHN	38.5	9	eP	14 22 18.0	2.9
			iPcP	14 24 27.5	1.2
CD2	38.7	354	eP	14 22 16.2	0.1
NJ2	40.9	14	eP	14 22 36.4	1.8
			PcP	14 24 35.4	1.6
XAN	41.6	1	+P	14 22 40.1	0.0
TIA	44.5	10	-P	14 23 04.2	-0.2
TIY	45.4	5	eP	14 23 11.9	0.6
GTA	47.5	351	P	14 23 28.5	0.4
			PcP	14 24 58.0	1.5
			ScP	14 28 45.8	4.4
			ScS	14 33 12.8	3.1
DL2	48.1	14	-P	14 23 31.0	-1.3
BJI	48.1	8	eP	14 23 33.0	0.4
			ePcP	14 25 00.0	1.3
BTO	48.1	2	eP	14 23 32.4	-0.4
HHC	48.5	4	eP	14 23 35.0	-0.3
SNY	51.3	15	eP	14 23 55.6	-1.6
CN2	53.7	16	+P	14 24 12.8	-1.8
WMQ	54.5	342	P	14 24 19.5	-1.5
			PcP	14 25 23.0	0.7
KSH	55.6	330	eP	14 24 28.0	-0.5

1985 4 25

O=14 28 46.4 ± 0.13s

LAT= 8.03 N ± 1.45km

LONG= 93.78 E ± 1.26km

DEPTH= 32 km ± 0.19km

STATIONS USED = 15, STAND DEV = 1.72s

KMI	19.0	26	eP	14 33 09.0	0.1
GYA	22.0	32	eP	14 33 44.0	3.7
CD2	24.6	21	eP	14 34 05.8	0.5

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GTA 31.7 9 P 14 35 09.4 -0.6

1985 4 25

O=14 50 18.9 ± 0.16s
LAT= 8.50 N ± 2.13km
LONG= 93.43 E ± 2.34km
DEPTH= 34 km ± 0.16km

STATIONS USED = 17, STAND DEV = 2.68s

KMI	18.8	27	eP	14 54 39.5	1.5
LSA	21.2	355	-P	14 55 02.6	-2.0
GYA	21.8	33	eP	14 55 14.0	3.4
CD2	24.3	22	eP	14 55 33.4	-1.2
GTA	31.3	10	eP	14 56 37.0	-1.7
WMQ	35.5	353	P	14 57 14.0	-1.3
CN2	44.9	33	eP	14 58 38.0	5.6

1985 4 25

O=15 15 04.5 ± 0.06s
LAT= 1.54 N ± 0.63km
LONG= 127.56 E ± 1.25km
DEPTH= 171 km ± 0.17km

STATIONS USED = 42, STAND DEV = 0.90s

QZN	24.6	316	eP	15 20 10.4	0.2
QZH	24.8	340	eP	15 20 13.2	0.6
GZH	25.5	328	eP	15 20 18.0	-0.7
NJ2	31.4	346	eP	15 21 12.0	-0.2
WHN	31.4	338	P	15 21 13.6	1.3
TIA	35.8	346	eP	15 21 49.6	-0.1
XAN	36.7	334	+P	15 21 58.0	0.7
CD2	36.9	325	eP	15 21 58.7	0.0
DL2	37.6	352	eP	15 22 04.5	0.1
TIY	38.6	341	P	15 22 13.4	0.5
BJI	39.7	346	eP	15 22 22.0	0.1
SNY	40.3	355	+P	15 22 26.4	-0.2
CN2	42.1	358	eP	15 22 40.4	-1.4
MDJ	42.9	2	eP	15 22 48.5	0.1
GTA	45.4	330	+iP	15 23 08.7	0.5
			PcP	15 24 45.7	1.5
WMQ	55.0	325	P	15 24 20.5	-0.3

1985 4 25

O=15 27 26.0 ± 0.15s
LAT= 8.49 N ± 2.34km
LONG= 93.54 E ± 2.29km
DEPTH= 35 km ± 0.33km

STATIONS USED = 71, STAND DEV = 2.04s

Ms=5.6/22, m_B=5.5/6

KMI	18.7	27	eP	15 31 45.5	1.0
			pP	15 31 52.0	0.0
			sP	15 31 55.0	-1.8

			LE		Ms=5.6	10.0	8.99
QZN	19.0	55	eP	15 31 45.0	-2.3		
			sP	15 31 55.0	-4.8		
			S	15 35 11.0	-2.4		
			sS	15 35 26.0	-0.5		
			LN		Ms=6.1	13.0	43.0
LSA	21.2	354	+P	15 32 09.8	-2.0		
GYA	21.8	33	P	15 32 18.4	1.3		
			pP	15 32 24.0	-2.0		
			sP	15 32 29.0	-1.3		
			S	15 36 10.0	-0.3		
			LN		Ms=5.6	12.0	6.40
			LE			12.0	6.00
GZH	23.9	50	eP	15 32 40.0	2.2		
			SMN		m _B =6.1	10.0	2.48
			SME			11.0	4.83
			LN		Ms=6.0	14.0	14.1
			LE			13.0	16.2
CD2	24.3	22	eP	15 32 40.3	-1.0		
			eS	15 36 50.0	-5.2		
			LE		Ms=5.8	10.5	10.2
QZH	29.0	53	eP	15 33 30.0	5.4		
			pP	15 33 37.0	3.0		
			S	15 38 13.0	1.9		
			LN		Ms=5.8	15.0	9.82
			LE			15.0	4.81
LZH	29.0	17	eP	15 33 24.0	-1.6		
			PMZ			2.0	0.090
XAN	29.1	27	eP	15 33 23.6	-2.5		
			eS	15 38 18.0	3.5		
			LN		Ms=5.8	10.0	4.78
			LE			9.0	4.62
WHN	29.3	39	eP	15 33 28.6	0.7		
			iPcP	15 36 34.0	0.4		
			eS	15 38 18.0	0.3		
			LN		Ms=5.5	12.0	4.35
GTA	31.3	9	P	15 33 44.4	-1.3		
			PcP	15 36 42.7	4.0		
			eS	15 38 54.0	4.8		
			LE		Ms=5.5	10.0	2.95
NJ2	33.2	42	eP	15 34 05.0	2.9		
			eS	15 39 25.0	6.4		
			LE		Ms=5.7	11.0	5.60
TIY	33.7	28	eP	15 34 03.7	-3.2		
			LN		Ms=5.9	12.0	4.33
			LE			12.0	8.10
SSE	34.2	45	eP	15 34 12.0	1.3		
			ePP	15 35 28.0	2.7		
			S	15 39 34.0	0.6		
			sS	15 39 50.0	-0.1		

			PcS	15 40 35.0	3.3			O = 15 30 24.0	± 0.08s					
			eScS	15 44 32.0	3.5			LAT = 8.52 N	± 1.47km					
			LN	Ms = 6.0	16.0	9.01		LONG = 93.64 E	± 1.33km					
			LE		16.0	9.74		DEPTH = 32 km	± 0.14km					
KSH	34.6	336	P	15 34 15.0	0.5			STATIONS USED = 65,	STAND DEV = 1.32s					
			eS	15 39 34.0	-7.0			Ms = 5.6 / 18,	m _B = 5.7 / 6					
TIA	35.0	34	eP	15 34 21.0	3.6			KMI	18.7	27	-P	15 34 44.5	2.6	
			LN	Ms = 5.5	11.0	2.28					pP	15 34 50.0	1.0	
			LE		11.0	2.25					sP	15 34 54.0	0.4	
			LZ	Ms = 5.5	11.0	3.26					eS	15 38 10.0	4.2	
BTO	35.2	22	eP	15 34 19.1	-0.2						LE	Ms = 5.7	10.0	13.0
			eS	15 39 48.0	-1.6			QZN	18.9	55	P	15 34 48.0	3.7	
			LN	Ms = 5.7	11.0	4.20					pP	15 34 54.0	2.2	
			LE		11.0	3.10					LE	Ms = 5.3	12.0	6.30
			LZ	Ms = 5.4	11.0	2.50		LSA	21.2	354	P	15 35 08.0	-1.8	
WMQ	35.6	353	P	15 34 21.0	-1.5						S	15 38 53.5	-4.3	
HHC	36.0	24	eP	15 34 25.0	-1.1						SME	m _B = 5.5	5.0	0.78
			ipP	15 34 32.0	-3.5						PcP	15 39 15.0	1.1	
			S	15 40 04.0	3.1						LN	Ms = 4.7	13.0	1.18
			sS	15 40 16.0	-1.7			GYA	21.7	33	-P	15 35 16.0	1.5	
			LN	Ms = 5.7	11.0	3.51					pP	15 35 25.0	1.9	
			LE		10.0	1.89					S	15 39 10.0	2.7	
BJI	37.4	29	eP	15 34 40.0	2.5						SMN	m _B = 6.1	10.0	4.70
			PMZ	m _B = 5.2	6.5	0.28					SME		10.0	4.30
			eS	15 40 31.0	8.2						sS	15 39 17.0	-4.9	
			SMN	m _B = 5.2	10.0	0.46					LN	Ms = 5.6	12.0	6.60
			LN	Ms = 5.6	12.0	3.77					LE		12.0	6.30
DL2	39.4	35	eP	15 34 55.0	0.4			GZH	23.8	50	-P	15 35 38.0	2.9	
			epP	15 35 02.0	-2.2						pP	15 35 46.0	2.1	
			eS	15 40 50.0	-4.0						SMN	m _B = 6.0	10.0	4.37
			LN	Ms = 5.4	12.0	2.00					LN	Ms = 6.2	11.0	14.4
SNY	42.5	34	eP	15 35 21.4	1.4						LE		11.0	22.9
			S	15 41 40.0	1.3			CD2	24.2	22	P	15 35 39.0	0.1	
			LN	Ms = 5.6	18.0	2.49					LE	Ms = 5.9	10.5	13.1
			LE		18.0	3.65		LZH	29.0	17	eP	15 36 22.5	-0.8	
CN2	44.8	33	eP	15 35 39.0	0.0						PMZ		2.5	0.32
			PMZ	m _B = 5.4	8.0	0.50					LE	Ms = 5.7	10.0	5.49
			pP	15 35 46.0	-2.7			XAN	29.0	27	P	15 36 21.6	-2.1	
			PP	15 37 25.0	0.3			NJ2	33.1	41	+P	15 37 00.8	1.2	
			PPMZ		8.0	0.60		KSH	34.6	336	P	15 37 13.0	0.2	
			S	15 42 10.0	-2.8						eS	15 42 41.0	1.4	
			SME	m _B = 5.5	12.0	1.00					LN	Ms = 5.7	16.0	6.60
			LN	Ms = 5.7	12.0	2.30		TIA	34.9	34	eP	15 37 13.9	-1.0	
			LE		13.0	2.90					LN	Ms = 5.3	10.0	1.76
MDJ	47.6	35	eP	15 36 04.0	2.8						LZ	Ms = 5.6	12.0	3.71
			PP	15 37 52.0	0.5			BTO	35.1	22	eP	15 37 16.1	-0.8	
			eS	15 42 51.0	-2.8						PP	15 38 38.0	2.5	
			SME	m _B = 5.5	10.0	0.69					eS	15 42 47.0	-0.1	
											LN	Ms = 5.6	10.0	3.10
											LE		10.0	1.30

			LZ		Ms = 5.6	10.0	3.30
WMQ	35.5	353	P	15 37 20.0	-0.6		
			pP	15 37 30.0	0.4		
			S	15 42 53.0	0.4		
			LN			Ms = 5.4	12.0 2.51
BJI	37.3	29	eP	15 37 37.0	1.9		
			eS	15 43 25.0	4.8		
			SMN			m _B = 5.6	11.0 0.62
			SME				11.0 1.27
			LE			Ms = 5.6	12.0 4.13
DL2	39.3	35	eP	15 37 52.5	0.3		
SNY	42.4	34	eP	15 38 18.2	0.6		
			S	15 44 39.0	2.9		
			LE			Ms = 5.7	15.0 4.31
CN2	44.8	33	P	15 38 37.0	0.4		
			PMZ			m _B = 5.6	8.0 0.80
			sP	15 38 51.0	1.2		
			PP	15 40 20.0	-2.2		
			PPMZ				8.0 0.80
			S	15 45 10.0	-0.2		
			SME			m _B = 5.8	12.0 1.60
			LN			Ms = 5.9	13.0 3.10
			LE				13.0 4.50
MDJ	47.6	35	eP	15 38 58.6	-0.2		
			sS	15 46 09.0	2.4		
			LN			Ms = 5.7	12.0 3.21

1985 4 25
 O = 15 49 18.3 ± 0.08s
 LAT = 6.82 S ± 1.53km
 LONG = 143.47 E ± 0.89km
 DEPTH = 33 km ± 0.16km
 STATIONS USED = 28, STAND DEV = 1.13s

WHN	46.5	325	eP	15 57 44.4	0.0		
GYA	48.7	314	eP	15 58 03.4	1.6		
KMI	50.8	310	eP	15 58 20.0	1.9		
XAN	52.2	323	P	15 58 28.3	0.0		
CN2	53.0	344	eP	15 58 33.0	-1.2		
BJI	53.0	334	eP	15 58 34.0	-0.5		
CD2	53.4	317	eP	15 58 38.2	0.6		
LZH	56.6	322	eP	15 59 02.0	1.0		
GTA	61.2	322	eP	15 59 33.4	0.6		
WMQ	71.2	321	P	16 00 36.6	0.2		

1985 4 25
 O = 16 17 39.0 ± 0.07s
 LAT = 11.38 S ± 0.86km
 LONG = 118.97 E ± 1.18km
 DEPTH = 32 km ± 0.14km
 STATIONS USED = 17, STAND DEV = 1.41s

GYA	39.5	343	eP	16 25 08.8	0.3		
CD2	44.5	341	eP	16 25 49.2	-0.5		
XAN	46.2	348	eP	16 26 01.4	-1.5		
BJI	51.2	357	eP	16 26 41.0	-0.9		

1985 4 25
 O = 23 27 08.7 ± 0.10s
 LAT = 25.55 S ± 1.68km
 LONG = 177.51 W ± 2.09km
 DEPTH = 36 km ± 0.72km
 STATIONS USED = 36, STAND DEV = 1.70s
 Ms = 5.3 / 1,

MDJ	84.9	325	eP	23 39 40.5	-1.6		
WHN	85.8	307	eP	23 39 44.0	-2.5		
SNY	86.3	320	eP	23 39 50.8	1.6		
CN2	86.6	323	-P	23 39 50.0	-0.2		
TIA	87.0	313	eP	23 39 52.8	0.4		
BJI	89.8	315	eP	23 40 08.0	2.3		
TIY	91.0	312	P	23 40 12.0	0.6		
			LE			Ms = 5.3	11.0 0.37
XAN	91.5	307	eP	23 40 14.6	0.7		
HHC	93.2	314	eP	23 40 23.5	1.9		
CD2	93.9	302	eP	23 40 27.4	2.8		
BTO	94.1	313	eP	23 40 28.0	2.5		

1985 4 26
 O = 00 22 37.4 ± 0.07s
 LAT = 35.66 N ± 0.90km
 LONG = 135.29 E ± 0.97km
 DEPTH = 374 km ± 1.23km
 STATIONS USED = 67, STAND DEV = 1.22s
 m_B = 4.7 / 1

MDJ	10.0	336	+iP	00 24 56.5	0.6		
SNY	11.0	307	+P	00 25 10.1	1.5		
			iS	00 27 12.0	3.7		
			SMN			m _B = 4.7	5.0 0.73
			SME				5.0 0.69
CN2	11.1	320	+P	00 25 10.3	0.7		
DL2	11.4	291	+P	00 25 14.0	1.5		
SSE	12.6	253	-iP	00 25 27.5	0.1		
NJ2	14.1	260	+P	00 25 44.4	0.1		
TIA	14.7	277	eP	00 25 50.4	-0.4		
BJI	15.7	292	eP	00 26 00.0	-1.0		
WHN	18.3	260	-iP	00 26 28.5	1.5		
			PMZ				1.0 0.31
TIY	18.4	283	eP	00 26 28.5	-0.4		
			PMZ				0.7 0.040
HHC	19.3	293	eP	00 26 36.4	-1.2		
BTO	20.5	292	eP	00 26 47.8	-0.9		
XAN	21.7	273	P	00 27 00.4	0.0		

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GZH	22.8	243	-P	00 27 13.0	2.3
LZH	25.4	280	eP	00 27 35.0	0.1
GYA	26.1	257	-P	00 27 40.8	-0.1
			pP	00 28 52.0	4.6
			S	00 31 43.4	-0.4
CD2	26.7	269	P	00 27 46.1	-0.2
GTA	28.3	288	P	00 28 00.0	-0.2
KMI	29.9	258	eP	00 28 13.5	-0.6
LSA	37.4	274	eP	00 29 19.6	1.4

1985 4 26

O=15 43 46.3 ± 0.09s
 LAT= 1.68 N ± 1.29km
 LONG=126.49 E ± 1.74km
 DEPTH= 47 km ± 0.22km
 STATIONS USED = 74, STAND DEV = 1.42s

Ms=4.3/ 6,

QZN	23.7	318	P	15 48 56.8	1.5
GZH	24.8	330	-P	15 49 10.0	4.3
SSE	29.7	351	eP	15 49 53.0	2.8
			epP	15 50 04.0	2.1
			LN	Ms=4.3	28.0 0.70
			LZ	Ms=4.5	28.0 0.99
WHN	30.9	339	P	15 50 02.8	1.5
NJ2	31.1	347	eP	15 50 03.0	0.6
			LZ	Ms=4.1	20.0 0.29
KMI	32.7	317	eP	15 50 17.0	0.0
TIA	35.4	347	eP	15 50 40.4	0.0
XAN	36.1	335	eP	15 50 44.8	-1.6
CD2	36.2	326	eP	15 50 46.4	-0.3
DL2	37.3	354	P	15 50 58.4	2.2
TIY	38.1	342	eP	15 51 02.8	-0.2
BJI	39.3	347	eP	15 51 12.5	-0.4
SNY	40.0	357	eP	15 51 19.7	0.7
			eS	15 57 22.0	0.7
			LN	Ms=4.3	26.0 0.40
LZH	40.2	331	eP	15 51 20.0	0.0
			PMZ		1.5 0.050
HHC	41.3	343	eP	15 51 24.8	-4.4
BTO	41.5	341	eP	15 51 33.0	1.8
CN2	41.9	359	eP	15 51 33.0	-1.6
			eS	15 57 47.0	-2.5
			LE	Ms=4.4	20.0 0.30
MDJ	42.8	3	eP	15 51 41.5	-0.5
LSA	43.6	313	eP	15 51 46.2	-2.7
GTA	44.7	330	P	15 51 57.6	0.2
WMQ	54.3	326	eP	15 53 10.0	-0.6

1985 4 26

O=16 54 13.3 ± 0.09s

LAT=25.79 N ± 0.66km
 LONG=102.86 E ± 0.72km
 DEPTH= 8 km ± 0.21km
 STATIONS USED = 5, STAND DEV = 3.26s

ML=3.1/ 6,

KMI	0.7	189	iPg	16 54 24.5	-1.0
			Sg	16 54 34.5	0.0
			SMN	ML=3.4	1.0 0.86
			SMF		1.0 1.71

1985 4 26

O=17 06 59.4 ± 0.13s
 LAT=44.62 N ± 0.54km
 LONG= 80.75 E ± 0.88km
 DEPTH= 6 km ± 0.57km
 STATIONS USED = 7, STAND DEV = 1.97s

ML=3.2/ 8,

WMQ	5.1	97	ePn	17 08 17.4	1.3
			Sn	17 09 16.7	-0.2
			Sg	17 09 40.0	2.2
			SMN	ML=3.2	0.8 0.030
			SME		0.6 0.030

1985 4 26

O=17 34 56.5 ± 0.11s
 LAT=33.77 N ± 1.33km
 LONG=135.50 E ± 1.44km
 DEPTH= 30 km ± 0.35km
 STATIONS USED = 33, STAND DEV = 1.80s

Ms=4.1/ 3,

MDJ	11.8	339	eP	17 37 48.0	2.7
SNY	12.4	314	eP	17 37 57.0	3.3
CN2	12.7	325	eP	17 37 57.0	-1.1
			eS	17 40 19.0	-0.6
			LE	Ms=4.1	13.0 0.80
BJI	16.7	298	eP	17 38 50.0	0.5
WHN	18.2	266	eP	17 39 10.0	1.3
HHC	20.3	297	+P	17 39 32.0	-0.7
			eS	17 43 15.0	1.0
			LE	Ms=4.4	12.0 0.62
BTO	21.4	296	eP	17 39 43.5	-0.5
XAN	22.0	278	eP	17 39 51.3	0.6
GYA	25.9	261	eP	17 40 30.8	2.4
GTA	29.1	292	eP	17 40 54.6	-2.3

1985 4 26

O=17 35 06.0 ± 0.09s
 LAT=25.81 N ± 0.58km
 LONG=102.90 E ± 0.74km
 DEPTH= 6 km ± 0.30km



STATIONS USED = 7, STAND DEV = 2.40s
 $M_L = 3.4 / 6,$

KMI	0.7	192	+iPg	17 35 17.5	-1.1		
			Sg	17 35 27.0	-0.9		
			SMN	$M_L = 3.7$	1.0	1.90	
			SME		1.0	3.00	
CD2	5.1	8	cPn	17 36 24.5	0.7		

1985 4 27

O = 00 33 12.5 ± 0.10s
 LAT = 15.73 S ± 1.73km
 LONG = 173.46 W ± 1.71km
 DEPTH = 81 km ± 0.32km

STATIONS USED = 73, STAND DEV = 1.28s

$M_s = 5.1 / 4,$ $m_B = 5.6 / 3$

MDJ	79.3	322	eP	00 45 11.5	0.2		
			eS	00 55 00.0	-4.1		
			sS	00 55 40.0	-0.1		
			LZ	$M_s = 5.2$	35.0	1.33	
NJ2	80.3	307	eP	00 45 17.0	0.0		
			eS	00 55 11.0	-4.2		
CN2	81.3	320	+iP	00 45 22.0	-0.3		
DL2	81.4	314	+P	00 45 23.0	0.4		
SNY	81.5	318	+iP	00 45 23.7	0.5		
WHN	83.2	304	eP	00 45 29.0	-3.1		
TIA	83.4	310	+P	00 45 33.3	0.4		
			esS	00 56 24.0	1.3		
			LN	$M_s = 5.0$	30.0	0.36	
			LE		30.0	0.42	
			LZ	$M_s = 5.0$	30.0	0.59	
BJI	85.7	314	+P	00 45 45.0	0.8		
			PMZ	$m_B = 5.8$	5.0	0.53	
			eS	00 56 12.0	3.1		
			SME	$m_B = 5.4$	8.0	0.31	
TIY	87.4	310	+P	00 45 54.0	1.0		
			PMZ		3.0	0.39	
GYA	88.1	298	+P	00 45 57.8	1.3		
XAN	88.8	306	P	00 46 00.1	0.7		
HHC	89.2	313	P	00 46 02.3	0.8		
BTO	90.2	312	+iP	00 46 07.0	0.8		
			eS	00 56 55.0	3.2		
			SMN	$m_B = 5.6$	8.0	0.20	
			SME		8.0	0.40	
KMI	91.1	296	+P	00 46 12.0	1.4		
			eS	00 57 03.0	3.0		
			LZ	$M_s = 5.3$	40.0	1.33	
CD2	91.9	301	P	00 46 15.6	1.5		
LZH	93.4	306	+P	00 46 21.5	0.6		
			PMZ		1.5	0.070	
GTA	97.3	309	-iP	00 46 44.0	5.1		

1985 4 27

O = 01 31 26.8 ± 0.07s
 LAT = 38.68 N ± 1.42km
 LONG = 73.20 E ± 1.02km
 DEPTH = 103 km ± 0.20km

STATIONS USED = 103, STAND DEV = 1.33s

$M_L = 5.3 / 1,$ $m_B = 5.3 / 4$

KSH	2.3	70	+iP	01 32 05.5	1.2		
			S	01 32 25.0	-6.7		
WMQ	12.1	60	+iP	01 34 14.0	-2.6		
			pP	01 34 24.0	-4.0		
			S	01 36 28.0	-0.8		
			SS	01 36 41.0	-6.0		
			LE		5.0	6.42	
LSA	17.3	116	+P	01 35 24.0	-0.2		
			PMZ		2.5	1.33	
			sP	01 35 53.0	-0.9		
			S	01 38 28.3	-2.5		
			LN		7.0	0.66	
			LE		7.0	0.47	
GTA	20.7	80	+iP	01 36 02.0	1.3		
			S	01 39 46.8	6.7		
			LE		10.0	1.03	
LZH	24.4	87	+iP	01 36 39.0	1.4		
			PMZ		2.5	0.53	
			pP	01 37 02.0	2.8		
			eS	01 40 50.0	2.3		
			LE		5.0	1.67	
CD2	26.2	98	P	01 36 55.3	1.4		
			PMZ		1.2	0.10	
			sP	01 37 30.0	1.4		
			S	01 41 20.0	4.4		
			sS	01 41 59.0	3.8		
			LE		9.0	1.80	
BTO	28.3	74	+iP	01 37 14.0	0.8		
			epP	01 37 36.0	0.7		
			sP	01 37 47.0	-0.9		
			PP	01 38 04.0	-3.7		
			S	01 41 52.0	2.2		
			sS	01 42 30.0	0.3		
			LN		8.0	0.80	
			LE		8.0	0.90	
			LZ		8.0	1.10	
KMI	28.4	110	cP	01 37 13.0	-0.9		
XAN	29.0	88	+P	01 37 19.4	-0.2		
			sP	01 37 55.0	0.5		
			LN		10.0	1.09	
HHC	29.4	73	+P	01 37 23.6	0.4		
			PP	01 38 20.0	-2.1		

WHN	36.3	92	P	04 21 30.8	0.5		
NJ2	39.0	87	-P	04 21 53.4	0.3		
			LZ	Ms=4.9	14.0	0.81	
SSE	41.2	87	+iP	04 22 11.5	0.1		
			PMZ		0.8	0.010	
			LE	Ms=4.6	12.0	0.30	

1985 4 27

O=04 49 50.7 ± 0.07s
 LAT=40.80 N ± 1.47km
 LONG= 71.10 E ± 0.93km
 DEPTH= 33 km ± 0.11km
 STATIONS USED = 67, STAND DEV= 1.49s
 Ms=4.7/ 11, M_L=5.2/ 4, m_B=5.3/ 1

KSH	4.0	108	cPn	04 50 52.0	2.1		
			eSn	04 51 42.0	5.2		
			LE		2.0	39.0	
WMQ	12.7	71	eP	04 52 49.5	-1.9		
			S	04 55 05.0	-6.6		
			LN	Ms=4.8	8.0	2.59	
LSA	19.7	118	P	04 54 20.6	-0.4		
			S	04 58 03.0	7.7		
			LN	Ms=4.6	10.0	0.62	
			LE		9.0	0.47	
GTA	22.0	84	+P	04 54 44.2	0.4		
			LE	Ms=4.8	10.0	1.19	
LZH	26.0	90	eP	04 55 22.5	-0.2		
			PMZ		2.0	0.11	
			LE	Ms=4.7	10.0	0.79	
CD2	28.1	100	P	04 55 43.2	1.2		
KMI	30.6	111	+P	04 56 04.0	-0.4		
XAN	30.6	90	+P	04 56 04.0	-0.3		
			LN	Ms=4.7	14.0	0.82	
TIY	31.9	82	eP	04 56 16.0	-0.1		
			S	05 01 23.5	0.2		
			LN	Ms=4.6	14.0	0.58	
GYA	32.6	105	P	04 56 22.8	0.5		
			pP	04 56 27.2	-4.1		
			S	05 01 41.8	7.6		
BJI	34.0	76	eP	04 56 34.5	0.3		
TIA	36.0	82	-P	04 56 51.4	0.5		
			LE	Ms=4.8	14.5	0.73	
			LZ	Ms=5.0	14.0	1.16	
WHN	36.3	92	-iP	04 56 54.0	0.8		
			PcP	04 59 21.0	3.4		
NJ2	39.0	87	eP	04 57 16.4	0.4		
			LZ	Ms=4.6	18.0	0.58	
SSE	41.2	87	P	04 57 35.2	0.9		
			PMZ		1.0	0.040	

1985 4 27

O=04 54 08.2 ± 0.06s
 LAT=37.16 N ± 1.38km
 LONG=142.19 E ± 0.64km
 DEPTH= 43 km ± 0.92km
 STATIONS USED = 28, STAND DEV= 1.50s
 Ms=4.3/ 1,

MDJ	12.1	312	eP	04 57 03.5	2.6		
CN2	14.4	303	eP	04 57 32.0	1.2		
SNY	15.1	294	eP	04 57 39.5	-1.0		
			LE	Ms=4.3	15.0	1.16	
CD2	32.3	270	eP	05 00 35.2	-0.6		
KMI	35.6	262	+P	05 01 03.5	-0.8		

1985 4 27

O=10 11 41.8 ± 0.05s
 LAT=20.93 S ± 1.76km
 LONG=176.71 W ± 1.24km
 DEPTH=258 km ± 0.44km
 STATIONS USED = 62, STAND DEV= 1.02s
 m_B=5.6/ 10

SSE	78.9	309	eP	10 23 17.0	-1.8		
			pP	10 24 17.0	-2.0		
			sP	10 24 44.0	-2.0		
			LN		40.0	2.83	
GZH	81.0	299	P	10 23 33.0	3.2		
			S	10 33 19.0	4.2		
			SME	m _B =5.5	7.0	0.72	
NJ2	81.1	309	-P	10 23 31.0	0.6		
			pP	10 24 34.0	3.1		
			iS	10 33 19.0	1.5		
			SME	m _B =5.3	8.0	0.56	
MDJ	81.6	324	-P	10 23 32.2	-0.7		
			sP	10 25 02.0	1.6		
			iS	10 33 24.0	1.6		
			sS	10 35 15.0	7.0		
			SME	m _B =6.0	5.0	1.52	
DL2	82.9	316	eP	10 23 39.0	-0.6		
			eS	10 33 35.0	-0.5		
			SME	m _B =6.4	8.0	6.00	
SNY	83.3	319	-P	10 23 41.0	-0.8		
			pP	10 24 38.0	-4.6		
			sP	10 25 07.0	-2.5		
			eS	10 33 31.0	-8.9		
			LN		24.0	1.10	
			LE		24.0	0.77	
CN2	83.4	322	-iP	10 23 41.2	-1.0		
			PMZ	m _B =5.6	4.0	0.50	
			pP	10 24 42.5	-0.4		
			cPP	10 27 01.0	1.9		

			SME	$m_B = 5.6$	8.0	1.00	KMI	67.4	282	eP	20 35 03.5	-1.1		
WHN	83.7	306	P	10 23 44.5	0.9		QZN	67.7	272	eP	20 35 07.3	0.8		
			pP	10 24 47.6	3.1		LSA	70.6	294	+iP	20 35 25.8	1.2		
TIA	84.5	312	+P	10 23 47.4	-0.2									
			pP	10 24 45.0	-3.5									
			LN			45.0	2.84							
			LE			45.0	1.62							
BJI	87.0	315	eP	10 24 00.5	0.3									
GYA	87.9	299	P	10 24 05.4	1.0									
			pP	10 25 08.0	2.4									
			SKS	10 34 08.0	3.4									
TIY	88.5	311	P	10 24 07.0	0.0									
			PMZ			1.0	0.020							
			pP	10 25 09.0	0.7									
			SKS	10 34 10.5	2.5									
			S	10 34 33.0	5.8									
			SME	$m_B = 5.4$		6.0	0.34							
XAN	89.4	307	P	10 24 12.0	0.9									
			pP	10 25 14.2	1.6									
			SKS	10 34 14.0	0.6									
			S	10 34 40.0	4.7									
			SMN	$m_B = 5.6$		7.0	0.42							
			SME			8.0	0.60							
KMI	90.6	297	+P	10 24 18.5	1.3									
			pP	10 25 21.5	3.0									
			SKS	10 34 22.0	1.1									
			S	10 34 55.0	8.4									
CD2	92.0	302	eP	10 24 24.6	1.0									
LZH	94.0	307	eP	10 24 33.5	0.9									
			epP	10 25 35.0	0.9									
			eSKS	10 34 40.0	0.2									
			eS	10 35 21.0	3.0									
			SME	$m_B = 5.7$		7.0	0.71							
GTA	98.2	309	P	10 24 50.4	-1.3									
			LE			8.5	0.35							
1985 4 27														
O=20 24 20.5 ± 0.11s														
LAT=52.80 N ± 0.31km														
LONG=172.34 W ± 0.54km														
DEPTH=133 km ± 1.01km														
STATIONS USED = 29, STAND DEV = 0.83s														
TIA	50.9	281	P	20 33 10.8	0.4									
SSE	52.0	273	+P	20 33 18.4	0.0									
			PMZ			1.1	0.010							
XAN	57.2	284	eP	20 33 56.0	-0.8									
			PcP	20 34 49.0	0.3									
WMQ	61.8	306	+P	20 34 28.7	0.3									
CD2	62.5	286	P	20 34 33.1	0.2									
GYA	64.1	280	P	20 34 42.8	-0.4									
1985 4 28														
O=01 50 33.1 ± 0.04s														
LAT=33.15 N ± 0.23km														
LONG=121.11 E ± 0.44km														
DEPTH= 11 km ± 0.03km														
STATIONS USED = 5, STAND DEV = 1.40s														
$M_L = 3.2 / 8,$														
SSE	2.1	178	Pn	01 51 08.0	0.0									
			Pg	01 51 11.0	1.7									
			iSg	01 51 37.0	-0.4									
			SME	$M_L = 3.6$		1.0	0.50							
NJ2	2.2	241	+Pn	01 51 09.1	-0.9									
			Pg	01 51 13.1	1.2									
			Sg	01 51 40.9	-1.0									
			SMN	$M_L = 3.0$		0.4	0.10							
			SME			0.4	0.13							
TIA	4.5	314	ePn	01 51 42.0	0.6									
			Pg	01 51 56.4	4.2									
			eSn	01 52 33.1	-2.5									
			Sg	01 52 52.6	-0.9									
			SMN	$M_L = 3.0$		0.5	0.030							
			SME			0.6	0.020							
			SMZ	$M_L = 3.1$		0.6	0.020							
1985 4 28														
O=02 15 09.7 ± 0.07s														
LAT=12.42 N ± 1.06km														
LONG=126.12 E ± 1.54km														
DEPTH= 33 km ± 0.18km														
STATIONS USED = 57, STAND DEV = 1.29s														
$M_s = 4.1 / 4,$														
SSE	19.1	347	P	02 19 33.6	0.6									
			sP	02 19 47.0	1.6									
			S	02 23 02.0	0.8									
			sS	02 23 14.0	0.0									
			LE	$M_s = 4.0$		10.0	0.25							
NJ2	20.7	342	eP	02 19 52.0	2.7									
			LE	$M_s = 4.5$		11.0	0.68							
WHN	21.1	331	eP	02 19 54.5	0.8									
			LN	$M_s = 4.1$		10.0	0.24							
GYA	23.0	310	P	02 20 15.2	2.0									
			S	02 24 23.0	6.4									
TIA	25.0	343	P	02 20 32.3	-0.4									
			LN	$M_s = 4.2$		12.5	0.27							
KMI	25.4	303	eP	02 20 37.0	0.3									
			S	02 25 02.0	3.8									

XAN	26.6	327	P	02 20 46.2	-1.3
			eS	02 25 20.0	1.5
CD2	27.7	315	eP	02 20 56.6	-0.4
			eS	02 25 32.0	-3.3
SNY	29.4	356	+P	02 21 12.3	0.0
CN2	31.3	359	eP	02 21 28.0	-1.2
BTO	31.4	336	eP	02 21 30.0	-0.8
			eS	02 26 30.0	-5.4
MDJ	32.2	5	eP	02 21 37.0	-0.5
GTA	35.6	324	P	02 22 06.5	0.1
LSA	36.7	303	eP	02 22 16.6	0.3
WMQ	45.5	321	eP	02 23 28.8	0.7
KSH	51.7	311	eP	02 24 17.0	0.7

1985 4 28

O=02 53 41.2 ± 0.07s

LAT=33.02 S ± 0.99km

LONG= 71.73 W ± 0.81km

DEPTH= 31 km ± 0.56km

STATIONS USED = 22, STAND DEV= 1.06s

WMQ	160.7	50	ePKP	03 13 40.2	1.2
GTA	170.7	45	PKP	03 13 48.2	1.0
TIA	172.0	296	ePKP	03 13 49.2	1.3
XAN	178.8	332	ePKP	03 13 50.8	1.1
			PKP ₂	03 15 42.0	
			SKKS	02 26 15.0	

1985 4 28

O=04 30 54.1 ± 0.04s

LAT= 1.25 N ± 0.58km

LONG=126.37 E ± 1.14km

DEPTH= 34 km ± 0.14km

STATIONS USED = 20, STAND DEV= 0.80s

QZN	24.0	319	eP	04 36 07.4	0.9
GYA	31.4	325	P	04 37 14.8	0.0
CD2	36.5	326	eP	04 37 57.8	-0.3
XAN	36.5	335	eP	04 37 57.6	-0.7
MDJ	43.3	3	eP	04 38 55.5	0.9
GTA	45.0	331	P	04 39 09.6	0.6

1985 4 28

O=08 30 28.9 ± 0.12s

LAT=39.63 S ± 2.67km

LONG= 76.03 W ± 4.14km

DEPTH= 13 km ± 0.63km

STATIONS USED = 91, STAND DEV= 1.29s

M_s=5.5/10, m_B=5.9/9

KSH	158.4	81	-PKP	08 50 28.0	0.9
			PKP ₂	08 51 02.0	
			PP	08 54 42.0	-2.2

QZN	158.9	196	PKP	08 50 30.5	3.0
			PP	08 54 42.0	-4.1
MDJ	160.4	293	ePKP	08 50 25.5	-3.7
			PKP ₂	08 51 49.0	
			PP	08 54 49.0	-5.0
			LZ	M _s =5.5	20.0 0.60
QZH	160.9	224	ePKP	08 50 30.0	0.4
			PKP ₂	08 51 12.0	
GZH	161.7	209	PKP	08 50 31.5	1.1
CN2	163.4	292	-PKP	08 50 29.8	-2.4
			PKP ₂	08 51 20.0	
			PP	08 55 04.0	-6.3
			PPMZ	m _B =5.9	7.0 0.70
			SKKS	09 01 47.0	
SSE	163.6	244	PKP	08 50 32.0	-0.3
			PKP ₂	08 51 26.0	
			PP	08 55 14.0	2.5
			eSKS	08 57 32.0	-0.6
			LE	M _s =5.3	24.0 0.48
SNY	165.0	285	iPKP	08 50 32.3	-1.4
			PKP ₂	08 51 31.3	
			sPKP	08 51 36.0	
			PP	08 55 16.5	-2.1
			PPMZ	m _B =5.8	6.5 0.59
			SKS	08 57 29.0	-4.5
			SKKS	09 01 49.5	
			LE	M _s =5.5	25.0 0.72
KMI	165.5	176	-PKP	08 50 35.0	0.5
			PKP ₂	08 51 33.0	
			PP	08 55 19.5	-1.8
			SKKS	09 02 05.0	
LSA	165.5	129	ePKP	08 50 35.4	0.6
NJ2	165.8	243	-iPKP	08 50 34.0	-0.5
			PKP ₂	08 51 35.0	
			iPP	08 55 27.5	4.9
			PPMZ	m _B =5.7	8.5 0.67
			SKKS	09 02 08.0	
			LZ	M _s =5.6	18.0 0.58
DL2	166.3	273	ePKP	08 50 36.0	1.1
GYA	166.7	191	PKP	08 50 35.6	0.3
			PKP ₂	08 51 38.2	
			PP	08 55 22.6	-4.6
			SKKS	09 02 20.0	
WMQ	167.1	66	-PKP	08 50 35.5	-0.1
			PKP ₂	08 51 41.2	
			PP	08 55 29.7	0.2
			PPMZ	m _B =5.9	12.0 1.45
			LZ	M _s =5.9	18.0 1.40
WHN	167.6	226	PKP	08 50 36.0	0.3
			PKP ₂	08 51 42.0	

DEPTH = 12 km ± 0.11km
 STATIONS USED = 19, STAND DEV = 2.05s
 M_L = 4.0 / 16,

LZH	1.9	266	-Pg	01 23 21.0	0.3		
			Sg	01 23 44.0	-1.8		
			SMN	M _L = 4.4	0.5	3.60	
			SME		0.5	3.50	
XAN	3.2	133	ePn	01 23 38.4	0.6		
			Pg	01 23 46.0	2.4		
			Sg	01 24 26.2	-0.6		
			SMN	M _L = 3.7	0.6	0.30	
			SME		0.6	0.20	
BTO	5.3	34	ePn	01 24 10.0	2.4		
			SMN	M _L = 3.7	0.6	0.090	
			SME		0.6	0.080	
			SMZ	M _L = 3.9	0.6	0.090	
CD2	5.7	201	ePn	01 24 13.8	1.7		
			Sg	01 25 47.1	2.1		
			SMN	M _L = 4.2	1.0	0.20	
			SME		1.0	0.20	
GTA	5.9	304	Pn	01 24 17.0	1.2		
HHC	6.3	41	Pn	01 24 21.4	0.7		
			Pg	01 24 40.3	1.7		
			Sn	01 25 33.4	-1.1		
			SMN	M _L = 4.4	0.4	0.28	
			SME		0.6	0.19	
WHN	8.9	127	eP	01 25 00.0	0.6		
GYA	9.7	177	eP	01 25 13.6	2.4		

1985 4 29
 O = 02 19 58.0 ± 0.06s
 LAT = 41.48 N ± 1.45km
 LONG = 142.03 E ± 1.22km
 DEPTH = 70 km ± 0.73km
 STATIONS USED = 105, STAND DEV = 1.41s
 M_s = 5.3 / 29, m_B = 5.9 / 22

MDJ	9.6	293	eP	02 22 17.5	1.2		
			LZ	M _s = 5.3	18.0	29.6	
CN2	12.4	286	+P	02 22 54.5	0.5		
			PMZ	m _B = 6.0	4.0	0.90	
			pP	02 23 07.8	0.7		
			S	02 25 09.0	-2.1		
			SMN	m _B = 5.4	7.0	2.20	
			SS	02 25 25.5	-1.7		
			LE	M _s = 5.3	13.0	13.7	
SNY	13.8	278	+iP	02 23 14.0	1.9		
			PMZ	m _B = 6.4	5.0	3.14	
			pP	02 23 28.0	3.2		
			SMN	m _B = 5.6	9.5	3.86	
			SS	02 26 10.0	8.7		

DL2	15.8	267	LN	M _s = 4.9	13.0	4.52	
			+P	02 23 39.0	1.2		
			PMZ	m _B = 5.9	5.0	2.84	
			pP	02 23 55.0	3.6		
			eS	02 26 30.0	-0.9		
			LN	M _s = 5.0	13.0	1.53	
			LE		12.0	3.42	
BJI	19.6	274	+iP	02 24 21.5	-2.1		
			ScP	02 32 11.0	2.5		
			eS	02 27 52.0	-4.2		
			SME	m _B = 5.6	6.0	1.07	
			SS	02 28 25.0	-0.7		
			ScS	02 35 53.0	3.6		
			LE	M _s = 5.4	14.0	8.18	
SSE	19.7	245	+P	02 24 22.5	-1.9		
			pP	02 24 40.0	1.5		
			S	02 27 52.0	-5.1		
			sS	02 28 16.0	-3.0		
			SS	02 28 24.0	-3.5		
			LN	M _s = 5.2	12.0	3.50	
			LE		12.0	2.36	
TIA	20.1	263	eP	02 24 26.0	-2.5		
			PMZ	m _B = 5.3	4.5	0.79	
			S	02 27 56.0	-8.7		
			SMN	m _B = 5.9	7.5	1.45	
			SME		7.0	1.83	
			LN	M _s = 5.2	10.5	2.91	
			LE		12.0	3.25	
			LZ	M _s = 4.9	13.0	2.36	
NJ2	20.8	251	+iP	02 24 33.5	-2.1		
			pP	02 24 54.0	3.2		
			iS	02 28 20.0	1.4		
			LN	M _s = 5.5	17.0	10.4	
HHC	22.9	279	+P	02 24 55.5	-1.3		
			PMZ		2.0	0.90	
			pP	02 25 15.0	2.5		
			PP	02 25 26.0	-2.6		
			S	02 28 49.0	-7.7		
			sS	02 29 21.0	-3.1		
			SS	02 29 38.0	-7.1		
			LN	M _s = 5.1	10.0	2.40	
TIY	23.1	270	+P	02 24 57.6	-0.8		
			PMZ		1.2	0.19	
			S	02 28 58.5	-1.1		
			LN	M _s = 5.0	14.0	2.69	
BTO	24.1	279	+iP	02 25 07.0	-1.4		
			PMZ	m _B = 5.4	5.0	0.82	
			pP	02 25 28.0	3.7		
			PP	02 25 45.0	-0.2		
			S	02 29 13.0	-4.5		

			SMN	$m_B = 5.8$	8.0	1.30				SMN	$m_B = 5.6$	10.0	0.80
			SME		8.0	1.30				SME		11.0	1.30
			SS	02 30 08.0	-5.8					LN	$M_s = 5.4$	17.0	2.60
			LN			14.0	2.80			LE		17.0	2.70
			LE			15.0	5.20	KMI	36.3 256	+P	02 26 57.0	-0.5	
			LZ			15.0	6.40			PMZ	$m_B = 6.2$	4.0	1.70
WHN	24.8	253	eP	02 25 13.0	-2.2					S	02 32 34.0	2.3	
			PMZ			1.0	0.14			LN	$M_s = 5.4$	16.0	3.10
			S	02 29 28.0	-1.5			WMQ	39.4 292	+iP	02 27 24.0	0.7	
			SMN			8.0	3.77			PMZ	$m_B = 5.7$	4.0	0.52
			LN			14.0	4.63			PcP	02 29 32.0	1.9	
QZH	25.5	237	+iP	02 25 22.5	0.7					S	02 33 21.6	2.6	
			PMZ			4.0	2.82			SMN	$m_B = 6.0$	6.0	0.99
			eS	02 29 40.0	-1.8					SME		7.0	1.49
			LE			12.0	1.60			ScS	02 37 26.0	4.1	
XAN	27.1	265	+iP	02 25 35.0	-1.5					LE	$M_s = 6.0$	15.0	9.93
			S	02 30 05.5	-1.6			LSA	42.5 271	+iP	02 27 50.5	1.9	
			LE			15.0	4.10			PMZ	$m_B = 6.2$	4.0	1.61
LZH	30.1	272	+P	02 26 02.5	-1.0					S	02 34 06.0	2.1	
			PMZ			1.6	0.22			LN	$M_s = 5.4$	17.0	1.96
			cpP	02 26 24.0	4.3					LE		18.0	1.87
			PP	02 27 04.0	0.7			KSH	49.2 291	+P	02 28 43.0	1.5	
			eS	02 30 55.0	-1.0					PcS	02 34 01.0	2.7	
			SME			10.0	1.14			iS	02 35 45.0	4.0	
			LE			14.0	3.85			SME	$m_B = 5.9$	8.0	1.40
GZH	30.2	241	+iP	02 26 05.0	0.7					LN	$M_s = 5.9$	15.0	6.30
			PMZ			4.0	1.64						
			pP	02 26 17.1	-3.7								
			S	02 31 00.0	3.2								
			LN			20.0	3.37						
GTA	32.0	281	+iP	02 26 20.0	-0.1								
			PP	02 27 26.0	-1.5								
			PcP	02 29 10.0	1.9								
			S	02 31 27.5	3.0								
			ScP	02 32 47.2	3.3								
			ScS	02 36 44.7	3.6								
			LE			15.5	6.63						
CD2	32.4	263	+iP	02 26 22.8	-1.0								
			PMZ			1.0	0.20						
			S	02 31 31.0	-0.3			SSE	28.5 312	-P	10 23 01.0	-0.6	
			LN			9.0	1.40			PMZ		1.5	0.060
GYA	32.7	254	P	02 26 25.6	-0.6					S	10 27 47.0	4.4	
			PP	02 27 38.0	1.2					LE	$M_s = 4.9$	15.0	1.39
			S	02 31 32.0	-3.6			NJ2	30.7 312	+P	10 23 20.0	-1.2	
			LN			14.0	3.60			PP	10 24 22.0	-1.4	
			LE			14.0	3.20			S	10 28 16.5	-0.8	
			LZ			14.0	7.30			ScP	10 29 58.8	6.1	
QZN	35.4	241	+P	02 26 51.0	1.8					LZ	$M_s = 4.3$	18.0	0.40
			PMZ			6.0	1.00	GZH	32.0 292	eP	10 23 33.0	0.2	
			S	02 32 24.0	6.8					PP	10 24 41.0	0.6	
										eS	10 28 46.0	7.1	

1985 4 29

O = 10 17 10.0 ± 0.06s

LAT = 13.44 N ± 0.67km

LONG = 145.58 E ± 0.73km

DEPTH = 66 km ± 0.63km

STATIONS USED = 95, STAND DEV = 0.75s

$M_s = 5.2 / 29,$

$m_B = 5.5 / 5$

QZH	27.9	298	eP	10 22 58.5	2.4		
			eS	10 27 40.0	6.5		
			LN			17.0	0.92
			LE			17.0	1.34
SSE	28.5	312	-P	10 23 01.0	-0.6		
			PMZ			1.5	0.060
			S	10 27 47.0	4.4		
			LE			15.0	1.39
NJ2	30.7	312	+P	10 23 20.0	-1.2		
			PP	10 24 22.0	-1.4		
			S	10 28 16.5	-0.8		
			ScP	10 29 58.8	6.1		
			LZ			18.0	0.40
GZH	32.0	292	eP	10 23 33.0	0.2		
			PP	10 24 41.0	0.6		
			eS	10 28 46.0	7.1		

BJI	48.7	286	eP	17 55 13.0	-0.2
TIA	50.5	281	-P	17 55 27.0	-0.5
BTO	52.0	290	eP	17 55 38.6	0.0
TIY	52.4	286	P	17 55 42.0	0.3
XAN	57.0	285	+P	17 56 13.7	-1.3
LZH	58.6	290	eP	17 56 27.0	0.4
GTA	58.7	295	+iP	17 56 26.0	-1.0
WMQ	62.1	306	eP	17 56 48.2	-2.2
GYA	63.7	280	P	17 57 02.6	1.7
KMI	67.1	282	eP	17 57 23.0	0.2

1985 4 29

O = 18 17 41.8 ± 0.05s

LAT = 7.49 S ± 0.48km

LONG = 128.73 E ± 1.02km

DEPTH = 171 km ± 0.32km

STATIONS USED = 21, STAND DEV = 0.76s

GYA	40.0	328	P	18 25 02.0	0.4
WHN	40.3	341	P	18 25 05.0	1.2
NJ2	40.4	347	-P	18 25 06.0	0.7
CD2	45.1	329	-iP	18 25 43.0	0.2
XAN	45.4	337	+P	18 25 44.2	-1.0
TIY	47.5	342	eP	18 26 02.0	0.3
BJI	48.7	347	eP	18 26 11.0	-0.1
LZH	49.3	333	eP	18 26 16.0	0.4
GTA	53.8	332	+iP	18 26 49.8	0.2

1985 4 30

O = 00 43 21.4 ± 0.08s

LAT = 7.44 S ± 0.99km

LONG = 128.06 E ± 1.59km

DEPTH = 179 km ± 0.29km

STATIONS USED = 56, STAND DEV = 1.20s

QZN	31.8	326	P	00 49 32.2	0.3
GYA	39.6	329	P	00 50 38.2	0.9
			S	00 56 25.0	-0.6
			sS	00 57 37.0	3.7
WHN	40.0	341	P	00 50 42.0	1.5
NJ2	40.2	348	+P	00 50 43.0	0.5
			S	00 56 32.0	-3.4
KMI	40.7	324	+P	00 50 48.0	1.5
CD2	44.7	330	P	00 51 18.6	0.1
XAN	45.1	337	P	00 51 20.5	-1.1
BJI	48.5	348	eP	00 51 48.0	-0.4
LZH	48.9	334	+P	00 51 52.5	0.7
BTO	50.6	342	eP	00 52 00.0	-4.6
LSA	51.2	318	-P	00 52 10.9	1.5
MDJ	51.8	1	eP	00 52 12.0	-1.6
GTA	53.5	333	+iP	00 52 25.6	-0.2
WMQ	62.7	328	P	00 53 30.0	-0.3

1985 4 30

O = 03 09 49.9 ± 0.10s

LAT = 5.04 S ± 2.15km

LONG = 143.28 E ± 1.71km

DEPTH = 32 km ± 0.26km

STATIONS USED = 45, STAND DEV = 1.52s

QZN	40.7	307	eP	03 17 28.9	-0.6
NJ2	43.6	329	eP	03 17 54.5	1.2
WHN	44.9	324	eP	03 18 06.0	2.1
GYA	47.3	313	P	03 18 24.0	1.1
KMI	49.5	309	eP	03 18 41.0	0.9
SNY	50.0	341	eP	03 18 43.1	-0.5
XAN	50.6	323	P	03 18 47.6	-1.0
CN2	51.2	343	eP	03 18 52.0	-0.9
			eS	03 26 08.0	0.0
BJI	51.3	333	eP	03 18 53.0	-0.7
CD2	52.0	316	eP	03 18 59.0	0.3
HHC	54.1	331	eP	03 19 19.5	4.7
BTO	54.7	329	eP	03 19 20.5	1.5
LZH	55.1	321	eP	03 19 23.5	1.5
GTA	59.7	322	P	03 19 54.3	0.1

1985 4 30

O = 05 51 11.8 ± 0.06s

LAT = 0.60 S ± 0.89km

LONG = 133.50 E ± 1.06km

DEPTH = 33 km ± 0.04km

STATIONS USED = 75, STAND DEV = 0.87s

Ms = 4.6 / 10,

QZN	30.3	311	eP	05 57 22.0	-0.9
			eS	06 02 23.5	3.5
			LN	Ms=4.7	12.0 0.60
SSE	33.6	341	-P	05 57 52.0	0.3
			PMZ		1.0 0.040
			PP	05 59 05.0	0.9
			eS	06 03 14.0	2.6
			LZ	Ms=4.5	18.0 0.58
NJ2	35.3	338	+P	05 58 06.5	0.3
			S	06 03 40.0	3.3
			LZ	Ms=4.5	20.0 0.59
WHN	35.9	331	P	05 58 13.0	1.5
GYA	37.3	318	P	05 58 24.2	0.8
			S	06 04 08.0	0.4
KMI	39.2	313	eP	05 58 40.0	0.5
			PMZ		2.0 0.15
			eS	06 04 35.0	-3.1
TIA	39.7	339	-P	05 58 43.2	0.4
			LN	Ms=4.6	35.0 0.82
			LE		35.0 0.63



XAN	41.5	329	LZ	Ms=4.6	35.0	0.99	QZH	6.2	273	eP	08 46 58.8	-0.7		
CD2	42.2	321	eP	05 58 56.8	-1.0					eS	08 48 05.0	-3.4		
			eP	05 59 03.9	0.2					SMN	Ms=4.8	1.2	0.85	
			PMZ			1.4	0.10			SME		1.2	0.49	
TIY	42.8	335	S	06 05 20.0	-0.6					LE	Ms=3.6	10.0	0.62	
			+P	05 59 09.0	0.2			SSE	7.3	330	+iP	08 47 13.6	-1.1	
			sP	05 59 18.0	-3.9						PMZ		0.6	0.040
			S	06 05 34.0	4.4						sP	08 47 32.0	0.3	
			LN	Ms=4.8	15.0	0.45	NJ2	9.2	323	eP	08 47 38.6	-2.8		
			LE		15.0	0.32				LN	Ms=4.1	14.0	1.40	
SNY	43.2	349	+iP	05 59 11.1	-0.6			GZH	11.2	264	+P	08 48 06.7	-1.2	
			eS	06 05 36.0	0.0						eS	08 50 04.5	-6.5	
			LN	Ms=5.0	15.0	0.82					LN	Ms=3.9	10.0	0.50
			LE		14.0	0.47	WHN	11.3	303	-iP	08 48 10.5	0.4		
BJI	43.4	341	eP	05 59 13.5	-0.3						LG ₂	08 51 36.0	-6.3	
			eS	06 05 42.0	2.3							Ms=4.5	10.0	1.72
CN2	44.8	352	eP	05 59 22.2	-2.5			TIA	13.4	330	-P	08 48 40.5	2.8	
			PcP	06 01 06.0	-0.3						eS	08 51 11.5	6.7	
			PP	06 01 13.5	3.2						LN	Ms=4.3	14.0	1.01
			eS	06 05 57.0	-2.4						LE		14.0	0.81
			ScS	06 09 18.0	1.6						LZ	Ms=4.5	14.0	1.85
			LE	Ms=4.8	13.0	0.50	DL2	14.4	348	eP	08 48 56.0	5.3		
MDJ	45.1	356	eP	05 59 27.2	-0.4			QZN	15.5	251	P	08 49 11.2	5.7	
LZH	45.7	326	eP	05 59 33.0	0.4						LN	Ms=4.4	20.0	1.10
			PMZ			2.0	0.11				LE		20.0	1.40
HHC	45.8	337	P	05 59 33.5	0.4			TIY	16.9	322	-iP	08 49 26.2	2.9	
BTO	46.2	335	eP	05 59 36.0	-0.4						PMZ		1.0	0.070
			eS	06 06 25.0	4.5						pP	08 49 37.5	3.6	
			LN	Ms=4.6	12.0	0.20					S	08 52 31.5	4.4	
			LE		12.0	0.20					sS	08 52 50.0	4.9	
GTA	50.4	326	P	06 00 08.6	0.2						LN	Ms=4.3	12.0	0.18
			PcP	06 01 27.4	1.3						LE		13.0	0.63
			eS	06 07 21.0	2.6			GYA	17.0	280	P	08 49 24.2	0.4	
			LE	Ms=4.7	11.0	0.26					S	08 52 31.0	3.2	
LSA	50.4	310	eP	06 00 09.5	0.7			XAN	17.0	306	P	08 49 26.0	1.7	
			S	06 07 22.0	4.9						pP	08 49 37.8	2.9	
WMQ	60.2	323	+P	06 01 19.1	-0.4						eS	08 52 30.0	0.4	
			PMZ			1.9	0.23				LN	Ms=4.6	12.0	0.77
			PcP	06 02 04.5	0.7						LE		14.0	1.38
			PP	06 03 32.4	-0.9			SNY	17.0	355	-iP	08 49 25.8	1.6	
KSH	65.8	314	+P	06 01 57.0	0.0						PMZ		0.8	0.19
			eS	06 10 50.0	9.3						pP	08 49 38.0	3.1	
											eS	08 52 34.0	4.6	
											LN	Ms=4.4	20.0	1.09
											LE		18.0	0.76
								BJI	17.0	335	eP	08 49 25.0	0.7	
											eS	08 52 26.0	-3.7	
											LN	Ms=4.4	14.0	0.92
								CN2	18.9	0	+P	08 49 45.8	-1.6	
											sP	08 50 08.0	2.1	

1985 4 30
 O=08 45 28.4 ± 0.09s
 LAT=24.82 N ± 1.48km
 LONG=125.41 E ± 1.30km
 DEPTH= 60 km ± 0.65km
 STATIONS USED = 89, STAND DEV = 1.67s
 Ms=4.4/20, M_L=4.8/1, m_B=5.0/1

April, 1985

			eS	21 31 04.0	-0.1		
GYA	62.5	36	P	21 23 18.4	1.1		
CD2	64.8	31	eP	21 23 30.5	-1.3		
KSH	65.4	4	+P	21 23 35.0	-0.9		
LZH	69.2	28	eP	21 24 00.5	0.6		
			PMZ			2.0	0.090
XAN	69.8	33	eP	21 24 02.6	-0.9		
WHN	69.9	39	P	21 24 05.5	1.2		
GTA	70.5	23	+P	21 24 08.3	0.3		
WMQ	71.2	13	P	21 24 11.2	-1.2		
NJ2	73.7	41	eP	21 24 24.0	-2.6		
TIY	74.4	33	eP	21 24 31.0	-0.2		
			LE	Ms=5.0		17.0	0.46
TIA	75.7	37	eP	21 24 37.2	-1.3		
CN2	85.6	36	P	21 25 36.5	5.6		